



#9

PF-0539 USN

<110> INCYTE PHARMACEUTICALS, INC.; LAL, Preeti;  
YUE, Henry; TANG, Y. Tom;  
HILLMAN, Jennifer L.; BANDMAN, Olga;  
CORLEY, Neil C.; GUEGLER, Karl J.;  
GORGONE, Gina A.; BAUGHN, Mariah R.;  
PATTERSON, Chandra; LU, Dyung Aina M.

<120> PROTEINS REGULATING GENE EXPRESSION

<130> PF-0539 USN

<140> US 09/701,674

<141> To Be Assigned

<150> PCT/US99/13281

<151> 1999-06-11

<150> US 60/104,624

<151> 1998-10-14

<150> US 60/094,575

<151> 1998-07-29

<150> US 60/089,029

<151> 1998-06-12

<160> 62

<170> PERL Program

<210> 1

<211> 379

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 591290

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Met	Val	Phe	Phe	Thr	Cys	Asn	Ala	Cys	Gly	Glu	Ser	Val	Lys	Lys
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Ile	Gln	Val	Glu	Lys	His	Val	Ser	Val	Cys	Arg	Asn	Cys	Glu	Cys
				20					25					30
Leu	Ser	Cys	Ile	Asp	Cys	Gly	Lys	Asp	Phe	Trp	Gly	Asp	Asp	Tyr
				35					40					45
Lys	Asn	His	Val	Lys	Cys	Ile	Ser	Glu	Asp	Gln	Lys	Tyr	Gly	Gly
				50					55					60
Lys	Gly	Tyr	Glu	Gly	Lys	Thr	His	Lys	Gly	Asp	Ile	Lys	Gln	Gln
				65					70					75
Ala	Trp	Ile	Gln	Lys	Ile	Ser	Glu	Leu	Ile	Lys	Arg	Pro	Asn	Val
				80					85					90
Ser	Pro	Lys	Val	Arg	Glu	Leu	Leu	Glu	Gln	Ile	Ser	Ala	Phe	Asp
				95					100					105
Asn	Val	Pro	Arg	Lys	Lys	Ala	Lys	Phe	Gln	Asn	Trp	Met	Lys	Asn

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	110		115		120
Ser Leu Lys Val	His Asn Glu Ser Ile	Leu Asp Gln Val Trp Asn			
	125		130		135
Ile Phe Ser Glu Ala	Ser Asn Ser Glu Pro	Val Asn Lys Glu Gln			
	140		145		150
Asp Gln Arg Pro	Leu His Pro Val Ala	Asn Pro His Ala Glu Ile			
	155		160		165
Ser Thr Lys Val	Pro Ala Ser Lys Val	Lys Asp Ala Val Glu Gln			
	170		175		180
Gln Gly Glu Val	Lys Lys Asn Lys Arg	Glu Lys Lys Glu Glu Arg			
	185		190		195
Gln Lys Lys Arg	Lys Arg Glu Lys Lys	Glu Leu Lys Leu Glu Asn			
	200		205		210
His Gln Glu Asn	Ser Arg Asn Gln Lys	Pro Lys Lys Arg Lys Lys			
	215		220		225
Gly Gln Glu Ala	Asp Leu Glu Ala Gly	Gly Glu Glu Val Pro Glu			
	230		235		240
Ala Asn Gly Ser	Ala Gly Lys Arg Ser	Lys Lys Lys Lys Gln Arg			
	245		250		255
Lys Asp Ser Ala	Ser Glu Glu Glu Ala	Arg Val Gly Ala Gly Lys			
	260		265		270
Arg Lys Arg Arg	His Ser Glu Val Glu	Thr Asp Ser Lys Lys Lys			
	275		280		285
Lys Met Lys Leu	Pro Glu His Pro Glu	Gly Gly Glu Pro Glu Asp			
	290		295		300
Asp Glu Ala Pro	Ala Lys Gly Lys Phe	Asn Trp Lys Gly Thr Ile			
	305		310		315
Lys Ala Ile Leu	Lys Gln Ala Pro Asp	Asn Glu Ile Thr Ile Lys			
	320		325		330
Lys Leu Arg Lys	Lys Val Leu Ala Gln	Tyr Tyr Thr Val Thr Asp			
	335		340		345
Glu His His Arg	Ser Glu Glu Glu Leu	Leu Val Ile Phe Asn Lys			
	350		355		360
Lys Ile Ser Lys	Asn Pro Thr Phe Lys	Leu Leu Lys Asp Lys Val			
	365		370		375
Lys Leu Val Lys					

<210> 2

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 815856

<400> 2

Met Phe Gly Thr	Pro Gln Glu His Arg	Asn Met Pro Gln Ala Asp			
1	5	10			15
Ala Met Val Leu	Val Ala Arg Asn Tyr	Glu Arg Tyr Lys Asn Glu			
	20	25			30
Cys Arg Glu Lys	Glu Arg Glu Glu Ile	Ala Arg Gln Ala Ala Lys			
	35	40			45

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Met	Ala	Asp	Glu	Ala	Ile	Leu	Gln	Glu	Arg	Glu	Arg	Gly	Gly	Pro
				50					55					60
Glu	Glu	Gly	Val	Arg	Gly	Gly	His	Pro	Pro	Ala	Ile	Gln	Ser	Leu
				65					70					75
Ile	Asn	Leu	Leu	Ala	Asp	Asn	Arg	Tyr	Leu	Thr	Ala	Glu	Glu	Thr
				80					85					90
Asp	Lys	Ile	Ile	Asn	Tyr	Leu	Arg	Glu	Arg	Lys	Glu	Arg	Leu	Met
				95					100					105
Arg	Ser	Ser	Thr	Asp	Ser	Leu	Pro	Gly	Glu	Leu	Arg	Gly	Arg	Ala
				110					115					120
Glu	Ala	Arg	Phe	Pro	Ala	Asn	His	Ser	Gly	Arg	Pro	Arg	Val	Pro
				125					130					135

Arg.

<210> 3

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 996352

<400> 3

Met	Ser	Ser	Ser	Tyr	Tyr	Val	Asn	Ala	Leu	Phe	Ser	Lys	Tyr	Thr
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Ala	Gly	Ala	Ser	Leu	Phe	Gln	Asn	Ala	Glu	Pro	Thr	Ser	Cys	Ser
				20					25					30
Phe	Ala	Pro	Asn	Ser	Gln	Arg	Ser	Gly	Tyr	Gly	Ala	Gly	Ala	Gly
				35					40					45
Ala	Phe	Ala	Ser	Thr	Val	Pro	Gly	Leu	Tyr	Asn	Val	Asn	Ser	Pro
				50					55					60
Leu	Tyr	Gln	Ser	Pro	Phe	Ala	Ser	Gly	Tyr	Gly	Leu	Gly	Ala	Asp
				65					70					75
Ala	Tyr	Gly	Asn	Leu	Pro	Cys	Ala	Ser	Tyr	Asp	Gln	Asn	Ile	Pro
				80					85					90
Gly	Leu	Cys	Ser	Asp	Leu	Ala	Lys	Gly	Ala	Cys	Asp	Lys	Thr	Asp
				95					100					105
Glu	Gly	Ala	Leu	His	Gly	Ala	Ala	Glu	Ala	Asn	Phe	Arg	Ile	Tyr
				110					115					120
Pro	Trp	Met	Arg	Ser	Ser	Gly	Pro	Asp	Arg	Lys	Arg	Gly	Arg	Gln
				125					130					135
Thr	Tyr	Thr	Arg	Tyr	Gln	Thr	Leu	Glu	Leu	Glu	Lys	Glu	Phe	His
				140					145					150
Phe	Asn	Arg	Tyr	Leu	Ile	Arg	Arg	Arg	Arg	Ile	Glu	Ile	Ala	His
				155					160					165
Ala	Leu	Cys	Leu	Thr	Glu	Arg	Gln	Ile	Lys	Ile	Trp	Phe	Gln	Asn
				170					175					180
Arg	Arg	Met	Lys	Trp	Lys	Lys	Glu	His	Lys	Asp	Glu	Gly	Pro	Thr
				185					190					195
Ala	Ala	Ala	Ala	Pro	Glu	Gly	Ala	Val	Pro	Ser	Ala	Ala	Ala	Thr
				200					205					210
Ala	Ala	Ala	Asp	Lys	Ala	Asp	Glu	Glu	Asp	Asp	Asp	Glu	Glu	Glu

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	215	220	225
Glu Asp Glu Glu Glu			
230			

<210> 4  
<211> 131  
<212> PRT  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<223> Incyte ID No: 1273778

<400> 4  
Met Ser Gln Val Thr Phe Ser Asp Val Ala Ile Asp Phe Ser His  
1 5 10 15  
Glu Glu Trp Ala Cys Leu Asp Ser Ala Gln Arg Asp Leu Tyr Lys  
20 25 30  
Asp Val Met Val Gln Asn Tyr Glu Asn Leu Val Ser Val Gly Leu  
35 40 45  
Ser Val Thr Lys Pro Tyr Val Ile Met Leu Leu Glu Asp Gly Lys  
50 55 60  
Glu Pro Trp Met Met Glu Lys Lys Leu Ser Lys Ala Tyr Pro Phe  
65 70 75  
Pro Leu Ser His Ser Val Pro Ala Ser Val Asn Phe Gly Phe Ser  
80 85 90  
Ala Leu Phe Glu His Cys Ser Glu Val Thr Glu Ile Phe Glu Leu  
95 100 105  
Ser Glu Leu Cys Val Phe Trp Val Leu His Phe Leu Ser Asn Ser  
110 115 120  
Pro Asn Ser Thr Val Glu Ala Phe Phe Lys Lys  
125 130

<210> 5  
<211> 411  
<212> PRT  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<223> Incyte ID No: 1509715

<400> 5  
Met Ser Lys Arg Pro Ser Tyr Ala Pro Pro Pro Thr Pro Ala Pro  
1 5 10 15  
Ala Thr Gln Met Pro Ser Thr Pro Gly Phe Val Gly Tyr Asn Pro  
20 25 30  
Tyr Ser His Leu Ala Tyr Asn Asn Tyr Arg Leu Gly Gly Asn Pro  
35 40 45  
Gly Thr Asn Ser Arg Val Thr Ala Ser Ser Gly Ile Thr Ile Pro  
50 55 60  
Lys Pro Pro Lys Pro Pro Asp Lys Pro Leu Met Pro Tyr Met Arg  
65 70 75  
Tyr Ser Arg Lys Val Trp Asp Gln Val Lys Ala Ser Asn Pro Asp

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	80		85		90
Leu Lys Leu Trp	Glu Ile Gly Lys Ile	Ile Gly Gly Met Trp	Arg		
	95	100	105		
Asp Leu Thr Asp	Glu Glu Lys Gln Glu	Tyr Leu Asn Glu Tyr	Glu		
	110	115	120		
Ala Glu Lys Ile	Glu Tyr Asn Glu Ser	Met Lys Ala Tyr His	Asn		
	125	130	135		
Ser Pro Ala Tyr	Leu Ala Tyr Ile Asn	Ala Lys Ser Arg Ala	Glu		
	140	145	150		
Ala Ala Leu Glu	Glu Glu Ser Arg Gln	Arg Gln Ser Arg Met	Glu		
	155	160	165		
Lys Gly Glu Pro	Tyr Met Ser Ile Gln	Pro Ala Glu Asp Pro	Asp		
	170	175	180		
Asp Tyr Asp Asp	Gly Phe Ser Met Lys	His Thr Ala Thr Ala	Arg		
	185	190	195		
Phe Gln Arg Asn	His Arg Leu Ile Ser	Glu Ile Leu Ser Glu	Ser		
	200	205	210		
Val Val Pro Asp	Val Arg Ser Val Val	Thr Thr Ala Arg Met	Gln		
	215	220	225		
Val Leu Lys Arg	Gln Val Gln Ser Leu	Met Val His Gln Arg	Lys		
	230	235	240		
Leu Glu Ala Glu	Leu Leu Gln Ile Glu	Arg His Gln Glu	Lys		
	245	250	255		
Lys Arg Lys Phe	Leu Glu Ser Thr Asp	Ser Phe Asn Asn Glu	Leu		
	260	265	270		
Lys Arg Leu Cys	Gly Leu Lys Val Glu	Val Asp Met Glu Lys	Ile		
	275	280	285		
Ala Ala Glu Ile	Ala Gln Ala Glu Glu	Gln Ala Arg Lys Arg	Gln		
	290	295	300		
Glu Glu Arg Glu	Lys Glu Ala Ala Glu	Gln Ala Glu Arg Ser	Gln		
	305	310	315		
Ser Ser Ile Val	Pro Glu Glu Glu Gln	Ala Ala Asn Lys Gly	Glu		
	320	325	330		
Glu Lys Lys Asp	Asp Glu Asn Ile Pro	Met Glu Thr Glu Glu	Thr		
	335	340	345		
His Leu Glu Glu	Thr Thr Glu Ser Gln	Gln Asn Gly Glu Glu	Gly		
	350	355	360		
Thr Ser Thr Pro	Glu Asp Lys Glu Ser	Gly Gln Glu Gly Val	Asp		
	365	370	375		
Ser Met Ala Glu	Glu Gly Thr Ser Asp	Ser Asn Thr Gly Ser	Glu		
	380	385	390		
Ser Asn Ser Ala	Thr Val Glu Glu Pro	Pro Thr Asp Pro Ile	Pro		
	395	400	405		
Glu Asp Glu Lys	Lys Glu				
	410				

<210> 6

<211> 226

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1676367

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<220>

<221> unsure

<222> (1) ... (226)

<223> unknown or other

<400> 6

Met	Ala	Ala	Lys	Val	Asp	Leu	Ser	Thr	Ser	Thr	Asp	Trp	Lys	Glu
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Ala	Lys	Ser	Phe	Leu	Lys	Gly	Leu	Ser	Asp	Lys	Gln	Arg	Glu	Glu
				20					25					30
His	Tyr	Phe	Cys	Lys	Asp	Phe	Val	Arg	Leu	Lys	Lys	Ile	Pro	Thr
				35					40					45
Trp	Lys	Glu	Met	Ala	Lys	Gly	Val	Ala	Val	Lys	Val	Glu	Glu	Pro
				50					55					60
Arg	Tyr	Lys	Lys	Asp	Lys	Gln	Leu	Asn	Glu	Lys	Ile	Ser	Leu	Leu
				65					70					75
Arg	Ser	Asp	Ile	Thr	Lys	Leu	Glu	Val	Asp	Ala	Ile	Val	Asn	Ala
				80					85					90
Ala	Asn	Ser	Ser	Leu	Leu	Gly	Gly	Gly	Gly	Val	Asp	Gly	Cys	Ile
				95					100					105
His	Arg	Ala	Ala	Gly	Pro	Leu	Leu	Thr	Asp	Glu	Cys	Arg	Thr	Leu
				110					115					120
Gln	Ser	Cys	Lys	Thr	Gly	Lys	Ala	Lys	Ile	Thr	Gly	Gly	Tyr	Arg
				125					130					135
Leu	Pro	Ala	Lys	Tyr	Val	Ile	His	Thr	Val	Gly	Pro	Ile	Ala	Tyr
				140					145					150
Gly	Glu	Pro	Ser	Ala	Ser	Gln	Ala	Ala	Glu	Leu	Arg	Ser	Cys	Tyr
				155					160					165
Leu	Ser	Ser	Leu	Asp	Leu	Leu	Leu	Glu	His	Arg	Leu	Arg	Ser	Val
				170					175					180
Ala	Phe	Pro	Cys	Ile	Ser	Thr	Gly	Val	Phe	Gly	Tyr	Pro	Cys	Glu
				185					190					195
Ala	Ala	Ala	Glu	Ile	Val	Leu	Ala	Thr	Leu	Arg	Glu	Trp	Leu	Gly
				200					205					210
Ser	Ser	Thr	Arg	Glu	Pro	Arg	Xaa	Asn	Leu	Asn	Phe	Xaa	Glu	Pro
				215					220					225

Gly

<210> 7

<211> 183

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1734119

<400> 7

Met	Gly	Arg	Leu	Cys	Cys	Leu	Arg	Pro	Pro	Pro	His	Arg	Asp	Pro
1				5					10					15
Ala	Arg	Leu	Leu	Leu	Ala	Ser	Thr	Asp	Asp	Lys	Arg	Asn	Ser	Pro
				20					25					30

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Lys	Ile	Arg	Pro	Leu	Gln	Pro	Ala	Val	Pro	Ala	Cys	Leu	Pro	Ala	
				35					40						45
Thr	Val	Arg	Pro	Ala	Leu	Ala	Ser	Ser	Ser	Ala	Gly	Leu	Ser	Ala	
				50					55						60
Gly	Phe	Trp	Gly	Gln	Lys	Ser	Gly	Glu	Pro	Arg	Gly	Arg	Val	Arg	
				65					70						75
Gly	Asp	Gln	Val	Arg	Ala	Ala	Thr	Phe	Leu	Val	Ile	Ser	Pro	Met	
				80					85						90
Gly	Arg	Arg	Gly	Trp	Arg	Asp	Thr	Ala	Pro	Pro	Gly	Phe	Pro	Thr	
				95					100						105
Pro	Leu	Leu	Ser	His	Pro	Glu	Ala	Ser	Phe	Phe	Cys	Ala	Arg	Cys	
				110					115						120
Leu	Pro	Lys	Arg	Val	Gly	Ala	Arg	Ser	Pro	Pro	Trp	Arg	Val	Leu	
				125					130						135
Gly	Pro	Gly	Gly	Ala	Leu	Gly	Glu	Gln	Met	Gly	Pro	Pro	Leu	Ala	
				140					145						150
Gly	Pro	Leu	Gln	Leu	Phe	Pro	Ala	Ala	Glu	Pro	Ser	Gly	Gly	Pro	
				155					160						165
Val	Leu	Val	Ala	Ser	Leu	Arg	Ala	Gln	Ile	Ala	Gln	Gly	Asp	Leu	
				170					175						180
Ala	Val	Ala													

<210> 8

<211> 317

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1944813

<400> 8

Met	Lys	Ser	Asp	Cys	Met	Gln	Thr	Thr	Ile	Cys	Gln	Glu	Arg	Lys	
1				5					10						15
Lys	Asp	Pro	Ile	Glu	Met	Phe	His	Ser	Gly	Gln	Leu	Val	Lys	Val	
				20					25						30
Cys	Ala	Pro	Met	Val	Arg	Tyr	Ser	Lys	Leu	Ala	Phe	Arg	Thr	Leu	
				35					40						45
Val	Arg	Lys	Tyr	Ser	Cys	Asp	Leu	Cys	Tyr	Thr	Pro	Met	Ile	Val	
				50					55						60
Ala	Ala	Asp	Phe	Val	Lys	Ser	Ile	Lys	Ala	Arg	Asp	Ser	Glu	Phe	
				65					70						75
Thr	Thr	Asn	Gln	Gly	Asp	Cys	Pro	Leu	Ile	Val	Gln	Phe	Ala	Ala	
				80					85						90
Asn	Asp	Ala	Arg	Leu	Leu	Ser	Asp	Ala	Ala	Arg	Ile	Val	Cys	Pro	
				95					100						105
Tyr	Ala	Asn	Gly	Ile	Asp	Ile	Asn	Cys	Gly	Cys	Pro	Gln	Arg	Trp	
				110					115						120
Ala	Met	Ala	Glu	Gly	Tyr	Gly	Ala	Cys	Leu	Ile	Asn	Lys	Pro	Glu	
				125					130						135
Leu	Val	Gln	Asp	Met	Val	Lys	Gln	Val	Arg	Asn	Gln	Val	Glu	Thr	
				140					145						150
Pro	Gly	Phe	Ser	Val	Ser	Ile	Lys	Ile	Arg	Ile	His	Asp	Asp	Leu	

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	155		160		165
Lys Arg Thr Val Asp Leu Cys Gln Lys Ala Glu Ala Thr Gly Val					
	170		175		180
Ser Trp Ile Thr Val His Gly Arg Thr Ala Glu Glu Arg His Gln					
	185		190		195
Pro Val His Tyr Asp Ser Ile Lys Ile Ile Lys Glu Asn Met Ser					
	200		205		210
Ile Pro Val Ile Ala Asn Gly Asp Ile Arg Ser Leu Lys Glu Ala					
	215		220		225
Glu Asn Val Trp Arg Ile Thr Gly Thr Asp Gly Val Met Val Ala					
	230		235		240
Arg Gly Leu Leu Ala Asn Pro Ala Met Phe Ala Gly Tyr Glu Glu					
	245		250		255
Thr Pro Leu Lys Cys Ile Trp Asp Trp Val Asp Ile Ala Leu Glu					
	260		265		270
Leu Gly Thr Pro Tyr Met Cys Phe His Gln His Leu Met Tyr Met					
	275		280		285
Met Glu Lys Ile Thr Ser Arg Gln Glu Lys Arg Val Phe Asn Ala					
	290		295		300
Leu Ser Ser Thr Ser Ala Ile Ile Asp Tyr Leu Thr Asp His Tyr					
	305		310		315
Gly Ile					

<210> 9

<211> 479

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2683322

<400> 9

Met Ala Thr Asp Ser Trp Ala Leu Ala Val Asp Glu Gln Glu Ala					
1	5		10		15
Ala Ala Glu Ser Leu Ser Asn Leu His Leu Lys Glu Glu Lys Ile					
	20		25		30
Lys Pro Asp Thr Asn Gly Ala Val Val Lys Thr Asn Ala Asn Ala					
	35		40		45
Glu Lys Thr Asp Glu Glu Glu Lys Glu Asp Arg Ala Ala Gln Ser					
	50		55		60
Leu Leu Asn Lys Leu Ile Arg Ser Asn Leu Val Asp Asn Thr Asn					
	65		70		75
Gln Val Glu Val Leu Gln Arg Asp Pro Asn Ser Pro Leu Tyr Ser					
	80		85		90
Val Lys Ser Phe Glu Glu Leu Arg Leu Lys Pro Gln Leu Leu Gln					
	95		100		105
Gly Val Tyr Ala Met Gly Phe Asn Arg Pro Ser Lys Ile Gln Glu					
	110		115		120
Asn Ala Leu Pro Met Met Leu Ala Glu Pro Pro Gln Asn Leu Ile					
	125		130		135
Ala Gln Ser Gln Ser Gly Thr Gly Lys Thr Ala Ala Phe Val Leu					
	140		145		150



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Ala Met Leu Ser Arg Val Glu Pro Ser Asp Arg Tyr Pro Gln Cys	155	160	165
Leu Cys Leu Ser Pro Thr Tyr Glu Leu Ala Leu Gln Thr Gly Lys	170	175	180
Val Ile Glu Gln Met Gly Lys Phe Tyr Pro Glu Leu Lys Leu Ala	185	190	195
Tyr Ala Val Arg Gly Asn Lys Leu Glu Arg Gly Gln Lys Ile Ser	200	205	210
Glu Gln Ile Val Ile Gly Thr Pro Gly Thr Val Leu Asp Trp Cys	215	220	225
Ser Lys Leu Lys Phe Ile Asp Pro Lys Lys Ile Lys Val Phe Val	230	235	240
Leu Asp Glu Ala Asp Val Met Ile Ala Thr Gln Gly His Gln Asp	245	250	255
Gln Ser Ile Arg Ile Gln Arg Met Leu Pro Arg Asn Cys Gln Met	260	265	270
Leu Leu Phe Ser Ala Thr Phe Glu Asp Ser Val Trp Lys Phe Ala	275	280	285
Gln Lys Val Val Pro Asp Pro Asn Val Ile Lys Leu Lys Arg Glu	290	295	300
Glu Glu Thr Leu Asp Thr Ile Lys Gln Tyr Tyr Val Leu Cys Ser	305	310	315
Ser Arg Asp Glu Lys Phe Gln Ala Leu Cys Asn Leu Tyr Gly Ala	320	325	330
Ile Thr Ile Ala Gln Ala Met Ile Phe Cys His Thr Arg Lys Thr	335	340	345
Ala Ser Trp Leu Ala Ala Glu Leu Ser Lys Glu Gly His Gln Val	350	355	360
Ala Leu Leu Ser Gly Glu Met Met Val Glu Gln Arg Ala Ala Val	365	370	375
Ile Glu Arg Phe Arg Glu Gly Lys Glu Lys Val Leu Val Thr Thr	380	385	390
Asn Val Cys Ala Arg Gly Ile Asp Val Glu Gln Val Ser Val Val	395	400	405
Ile Asn Phe Asp Leu Pro Val Asp Lys Asp Gly Asn Pro Asp Asn	410	415	420
Glu Thr Tyr Leu His Arg Ile Gly Arg Thr Gly Arg Phe Gly Lys	425	430	435
Arg Gly Leu Ala Val Asn Met Val Asp Ser Lys His Ser Met Asn	440	445	450
Ile Leu Asn Arg Ile Gln Glu His Phe Asn Lys Lys Ile Glu Arg	455	460	465
Leu Asp Thr Asp Asp Leu Asp Glu Ile Glu Lys Ile Ala Asn	470	475	

<210> 10  
<211> 582  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2684552

<400> 10

Met	Ala	Glu	Phe	Leu	Asp	Asp	Gln	Glu	Thr	Arg	Leu	Cys	Asp	Asn
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Cys	Lys	Lys	Glu	Ile	Pro	Val	Phe	Asn	Phe	Thr	Ile	His	Glu	Ile
				20					25					30
His	Cys	Gln	Arg	Asn	Ile	Gly	Met	Cys	Pro	Thr	Cys	Lys	Glu	Pro
				35					40					45
Phe	Pro	Lys	Ser	Asp	Met	Glu	Thr	His	Met	Ala	Ala	Glu	His	Cys
				50					55					60
Gln	Val	Thr	Cys	Lys	Cys	Asn	Lys	Lys	Leu	Glu	Lys	Arg	Leu	Leu
				65					70					75
Lys	Lys	His	Glu	Glu	Thr	Glu	Cys	Pro	Leu	Arg	Leu	Ala	Val	Cys
				80					85					90
Gln	His	Cys	Asp	Leu	Glu	Leu	Ser	Ile	Leu	Lys	Leu	Lys	Glu	His
				95					100					105
Glu	Asp	Tyr	Cys	Gly	Ala	Arg	Thr	Glu	Leu	Cys	Gly	Asn	Cys	Gly
				110					115					120
Arg	Asn	Val	Leu	Val	Lys	Asp	Leu	Lys	Thr	His	Pro	Glu	Val	Cys
				125					130					135
Gly	Arg	Glu	Gly	Glu	Glu	Lys	Arg	Asn	Glu	Val	Ala	Ile	Pro	Pro
				140					145					150
Asn	Ala	Tyr	Asp	Glu	Ser	Trp	Gly	Gln	Asp	Gly	Ile	Trp	Ile	Ala
				155					160					165
Ser	Gln	Leu	Leu	Arg	Gln	Ile	Glu	Ala	Leu	Asp	Pro	Pro	Met	Arg
				170					175					180
Leu	Pro	Arg	Arg	Pro	Leu	Arg	Ala	Phe	Glu	Ser	Asp	Val	Phe	His
				185					190					195
Asn	Arg	Thr	Thr	Asn	Gln	Arg	Asn	Ile	Thr	Ala	Gln	Val	Ser	Ile
				200					205					210
Gln	Asn	Asn	Leu	Phe	Glu	Glu	Gln	Glu	Arg	Gln	Glu	Arg	Asn	Arg
				215					220					225
Gly	Gln	Gln	Pro	Pro	Lys	Glu	Gly	Gly	Glu	Glu	Ser	Ala	Asn	Leu
				230					235					240
Asp	Phe	Met	Leu	Ala	Leu	Ser	Leu	Gln	Asn	Glu	Gly	Gln	Ala	Ser
				245					250					255
Ser	Val	Ala	Glu	Gln	Asp	Phe	Trp	Arg	Ala	Val	Cys	Glu	Ala	Asp
				260					265					270
Gln	Ser	His	Gly	Gly	Pro	Arg	Ser	Leu	Ser	Asp	Ile	Lys	Gly	Ala
				275					280					285
Ala	Asp	Glu	Ile	Met	Leu	Pro	Cys	Glu	Phe	Cys	Glu	Glu	Leu	Tyr
				290					295					300
Pro	Glu	Glu	Leu	Leu	Ile	Asp	His	Gln	Thr	Ser	Cys	Asn	Pro	Ser
				305					310					315
Arg	Ala	Leu	Pro	Ser	Leu	Asn	Thr	Gly	Ser	Ser	Ser	Pro	Arg	Gly
				320					325					330
Val	Glu	Glu	Pro	Asp	Val	Ile	Phe	Gln	Asn	Phe	Leu	Gln	Gln	Ala
				335					340					345
Ala	Ser	Asn	Gln	Leu	Asp	Ser	Leu	Met	Gly	Leu	Ser	Asn	Ser	His
				350					355					360
Pro	Val	Glu	Glu	Ser	Ile	Ile	Ile	Pro	Cys	Glu	Phe	Cys	Gly	Val
				365					370					375
Gln	Leu	Glu	Glu	Glu	Val	Leu	Phe	His	His	Gln	Asp	Gln	Cys	Asp
				380					385					390
Gln	Arg	Pro	Ala	Thr	Ala	Thr	Asn	His	Val	Thr	Glu	Gly	Ile	Pro

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	395		400		405
Arg Leu Asp Ser	Gln Pro Gln Glu Thr	Ser Pro Glu Leu Pro	Arg		
	410		415		420
Arg Arg Val Arg	His Gln Gly Asp Leu	Ser Ser Gly Tyr Leu	Asp		
	425		430		435
Asp Thr Lys Gln	Glu Thr Ala Asn Gly	Pro Thr Ser Cys Leu	Pro		
	440		445		450
Pro Ser Arg Pro	Ile Asn Asn Met Thr	Ala Thr Tyr Asn Gln	Leu		
	455		460		465
Ser Arg Ser Thr	Ser Gly Pro Arg Pro	Gly Cys Gln Pro Ser	Ser		
	470		475		480
Pro Cys Val Pro	Lys Leu Ser Asn Ser	Asp Ser Gln Asp Ile	Gln		
	485		490		495
Gly Arg Asn Arg	Asp Ser Gln Asn Gly	Ala Ile Ala Pro Gly	His		
	500		505		510
Val Ser Val Ile	Arg Pro Pro Gln Asn	Leu Tyr Pro Glu Asn	Ile		
	515		520		525
Val Pro Ser Phe	Ser Pro Gly Pro Ser	Gly Arg Tyr Gly Ala	Ser		
	530		535		540
Gly Arg Ser Glu	Gly Gly Arg Asn Ser	Arg Val Thr Pro Ala	Ala		
	545		550		555
Ala Asn Tyr Arg	Ser Arg Thr Ala Lys	Ala Lys Pro Ser Lys	Gln		
	560		565		570
Gln Gly Ala Gly	Asp Ala Glu Glu Glu	Glu Glu Glu			
	575		580		

<210> 11  
 <211> 327  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2830310

<400> 11	
Met Arg Trp Pro Gly His Tyr Ser Arg Ala Pro Tyr Pro Tyr Phe	
1 5 10 15	
Ser Ser Arg His Phe Ser Leu Asn Trp Arg Pro Pro Cys Leu Phe	
20 25 30	
Glu Ser Arg Thr Gln Phe Gln Tyr Cys Asn Trp Arg Pro Asp Asn	
35 40 45	
Leu Ser Gln Thr Ser Leu Ile His Leu Ser Ser Tyr Val Met Asn	
50 55 60	
Ala Glu Gly Asp Glu Pro Ser Ser Lys Arg Arg Lys His Gln Gly	
65 70 75	
Val Ile Lys Arg Asn Trp Glu Tyr Ile Cys Ser His Asp Lys Glu	
80 85 90	
Lys Thr Lys Ile Leu Gly Asp Lys Asn Val Asp Pro Lys Cys Glu	
95 100 105	
Asp Ser Glu Asn Lys Phe Asp Phe Ser Val Met Ser Tyr Asn Ile	
110 115 120	
Leu Ser Gln Asp Leu Leu Glu Asp Asn Ser His Leu Tyr Arg His	
125 130 135	

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Cys	Arg	Arg	Pro	Val	Leu	His	Trp	Ser	Phe	Arg	Phe	Pro	Asn	Ile
				140					145					150
Leu	Lys	Glu	Ile	Lys	His	Phe	Asp	Ala	Asp	Val	Leu	Cys	Leu	Gln
				155					160					165
Glu	Val	Gln	Glu	Asp	His	Tyr	Gly	Ala	Glu	Ile	Arg	Pro	Ser	Leu
				170					175					180
Glu	Ser	Leu	Gly	Tyr	His	Cys	Glu	Tyr	Lys	Met	Arg	Thr	Gly	Arg
				185					190					195
Lys	Pro	Asp	Gly	Cys	Ala	Ile	Cys	Phe	Lys	His	Ser	Lys	Phe	Ser
				200					205					210
Leu	Leu	Ser	Val	Asn	Pro	Val	Glu	Phe	Phe	Arg	Pro	Asp	Ile	Ser
				215					220					225
Leu	Leu	Asp	Arg	Asp	Asn	Val	Gly	Leu	Val	Leu	Leu	Leu	Gln	Pro
				230					235					240
Lys	Ile	Pro	Tyr	Ala	Ala	Cys	Pro	Ala	Ile	Cys	Val	Ala	Asn	Thr
				245					250					255
His	Leu	Leu	Tyr	Asn	Pro	Arg	Arg	Gly	Asp	Ile	Lys	Leu	Thr	Gln
				260					265					270
Leu	Ala	Met	Leu	Leu	Ala	Glu	Ile	Ser	Ser	Val	Ala	His	Gln	Lys
				275					280					285
Asp	Gly	Ser	Phe	Cys	Pro	Ile	Val	Met	Cys	Gly	Asp	Phe	Asn	Ser
				290					295					300
Val	Pro	Gly	Ser	Pro	Leu	Tyr	Ser	Phe	Ile	Lys	Glu	Gly	Lys	Leu
				305					310					315
Asn	Tyr	Glu	Gly	Leu	Pro	Ile	Gly	Lys	Thr	Val	Ile			
				320					325					

<210> 12  
<211> 502  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2963346

<400> 12

Met	Ala	Ser	Lys	Lys	Leu	Gly	Ala	Asp	Phe	His	Gly	Thr	Phe	Ser
1				5					10					15
Tyr	Leu	Asp	Asp	Val	Pro	Phe	Lys	Thr	Gly	Asp	Lys	Phe	Lys	Thr
				20					25					30
Pro	Ala	Lys	Val	Gly	Leu	Pro	Ile	Gly	Phe	Ser	Leu	Pro	Asp	Cys
				35					40					45
Leu	Gln	Val	Val	Arg	Glu	Val	Gln	Tyr	Asp	Phe	Ser	Leu	Glu	Lys
				50					55					60
Lys	Thr	Ile	Glu	Trp	Ala	Glu	Glu	Ile	Lys	Lys	Ile	Glu	Glu	Ala
				65					70					75
Glu	Arg	Glu	Ala	Glu	Cys	Lys	Ile	Ala	Glu	Ala	Glu	Ala	Lys	Val
				80					85					90
Asn	Ser	Lys	Ser	Gly	Pro	Glu	Gly	Asp	Ser	Lys	Met	Ser	Phe	Ser
				95					100					105
Lys	Thr	His	Ser	Thr	Ala	Thr	Met	Pro	Pro	Pro	Ile	Asn	Pro	Ile
				110					115					120
Leu	Ala	Ser	Leu	Gln	His	Asn	Ser	Ile	Leu	Thr	Pro	Thr	Arg	Val

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	125		130		135
Ser Ser Ser Ala Thr Lys Gln Lys Val Leu Ser Pro Pro His Ile	140		145		150
Lys Ala Asp Phe Asn Leu Ala Asp Phe Glu Cys Glu Glu Asp Pro	155		160		165
Phe Asp Asn Leu Glu Leu Lys Thr Ile Asp Glu Lys Glu Glu Leu	170		175		180
Arg Asn Ile Leu Val Gly Thr Thr Gly Pro Ile Met Ala Gln Leu	185		190		195
Leu Asp Asn Asn Leu Pro Arg Gly Gly Ser Gly Ser Val Leu Gln	200		205		210
Asp Glu Glu Val Leu Ala Ser Leu Glu Arg Ala Thr Leu Asp Phe	215		220		225
Lys Pro Leu His Lys Pro Asn Gly Phe Ile Thr Leu Pro Gln Leu	230		235		240
Gly Asn Cys Glu Lys Met Ser Leu Ser Ser Lys Val Ser Leu Pro	245		250		255
Pro Ile Pro Ala Val Ser Asn Ile Lys Ser Leu Ser Phe Pro Lys	260		265		270
Leu Asp Ser Asp Asp Ser Asn Gln Lys Thr Ala Lys Leu Ala Ser	275		280		285
Thr Phe His Ser Thr Ser Cys Leu Arg Asn Gly Thr Phe Gln Asn	290		295		300
Ser Leu Lys Pro Ser Thr Gln Ser Ser Ala Ser Glu Leu Asn Gly	305		310		315
His His Thr Leu Gly Leu Ser Ala Leu Asn Leu Asp Ser Gly Thr	320		325		330
Glu Met Pro Ala Leu Thr Ser Ser Gln Met Pro Ser Leu Ser Val	335		340		345
Leu Ser Val Cys Thr Glu Glu Ser Ser Pro Pro Asn Thr Gly Pro	350		355		360
Thr Val Thr Pro Pro Asn Phe Ser Val Ser Gln Val Pro Asn Met	365		370		375
Pro Ser Cys Pro Gln Ala Tyr Ser Glu Leu Gln Met Leu Ser Pro	380		385		390
Ser Glu Arg Gln Cys Val Glu Thr Val Val Asn Met Gly Tyr Ser	395		400		405
Tyr Glu Cys Val Leu Arg Ala Met Lys Lys Lys Gly Glu Asn Ile	410		415		420
Glu Gln Ile Leu Asp Tyr Leu Phe Ala His Gly Gln Leu Cys Glu	425		430		435
Lys Gly Phe Asp Pro Leu Leu Val Glu Glu Ala Leu Glu Met His	440		445		450
Gln Cys Ser Glu Glu Lys Met Met Glu Phe Leu Gln Leu Met Ser	455		460		465
Lys Phe Lys Glu Met Gly Phe Glu Leu Lys Asp Ile Lys Glu Val	470		475		480
Leu Leu Leu His Asn Asn Asp Gln Asp Asn Ala Leu Glu Asp Leu	485		490		495
Met Ala Arg Ala Gly Ala Ser	500				

<210> 13

<211> 375

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<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2994234

<400> 13

Met	Leu	Trp	Lys	Leu	Leu	Leu	Arg	Ser	Gln	Ser	Cys	Arg	Leu	Cys
1				5					10					15
Ser	Phe	Arg	Lys	Met	Arg	Ser	Pro	Pro	Lys	Tyr	Arg	Pro	Phe	Leu
				20					25					30
Ala	Cys	Phe	Thr	Tyr	Thr	Thr	Asp	Lys	Gln	Ser	Ser	Lys	Glu	Asn
				35					40					45
Thr	Arg	Thr	Val	Glu	Lys	Leu	Tyr	Lys	Cys	Ser	Val	Asp	Ile	Arg
				50					55					60
Lys	Ile	Arg	Arg	Leu	Lys	Gly	Trp	Val	Leu	Leu	Glu	Asp	Glu	Thr
				65					70					75
Tyr	Val	Glu	Glu	Ile	Ala	Asn	Ile	Leu	Gln	Glu	Leu	Gly	Ala	Asp
				80					85					90
Glu	Thr	Ala	Val	Ala	Ser	Ile	Leu	Glu	Arg	Cys	Pro	Glu	Ala	Ile
				95					100					105
Val	Cys	Ser	Pro	Thr	Ala	Val	Asn	Thr	Gln	Arg	Lys	Leu	Trp	Gln
				110					115					120
Leu	Val	Cys	Lys	Asn	Glu	Glu	Glu	Leu	Ile	Lys	Leu	Ile	Glu	Gln
				125					130					135
Phe	Pro	Glu	Ser	Phe	Phe	Thr	Ile	Lys	Asp	Gln	Glu	Asn	Gln	Lys
				140					145					150
Leu	Asn	Val	Gln	Phe	Phe	Gln	Glu	Leu	Gly	Leu	Lys	Asn	Val	Val
				155					160					165
Ile	Ser	Arg	Leu	Leu	Thr	Ala	Ala	Pro	Asn	Val	Phe	His	Asn	Pro
				170					175					180
Val	Glu	Lys	Asn	Lys	Gln	Met	Val	Arg	Ile	Leu	Gln	Glu	Ser	Tyr
				185					190					195
Leu	Asp	Val	Gly	Gly	Ser	Glu	Ala	Asn	Met	Lys	Val	Trp	Leu	Leu
				200					205					210
Lys	Leu	Leu	Ser	Gln	Asn	Pro	Phe	Ile	Leu	Leu	Asn	Ser	Pro	Thr
				215					220					225
Ala	Ile	Lys	Glu	Thr	Leu	Glu	Phe	Leu	Gln	Glu	Gln	Gly	Phe	Thr
				230					235					240
Ser	Phe	Glu	Ile	Leu	Gln	Leu	Leu	Ser	Lys	Leu	Lys	Gly	Phe	Leu
				245					250					255
Phe	Gln	Leu	Cys	Pro	Arg	Ser	Ile	Gln	Asn	Ser	Ile	Ser	Phe	Ser
				260					265					270
Lys	Asn	Ala	Phe	Lys	Cys	Thr	Asp	His	Asp	Leu	Lys	Gln	Leu	Val
				275					280					285
Leu	Lys	Cys	Pro	Ala	Leu	Leu	Tyr	Tyr	Ser	Val	Pro	Val	Leu	Glu
				290					295					300
Glu	Arg	Met	Gln	Gly	Leu	Leu	Arg	Glu	Gly	Ile	Ser	Ile	Ala	Gln
				305					310					315
Ile	Arg	Glu	Thr	Pro	Met	Val	Leu	Glu	Leu	Thr	Pro	Gln	Ile	Val
				320					325					330
Gln	Tyr	Arg	Ile	Arg	Lys	Leu	Asn	Ser	Ser	Gly	Tyr	Arg	Ile	Lys
				335					340					345

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Asp	Gly	His	Leu	Ala	Asn	Leu	Asn	Gly	Ser	Lys	Lys	Glu	Phe	Glu
			350						355					360
Ala	Asn	Phe	Gly	Lys	Ile	Gln	Ala	Lys	Lys	Ser	Lys	Ala	Ile	Ile
			365						370					375

<210> 14  
<211> 341  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 4115958

<400> 14

Met	His	Asp	Ser	Ser	Ser	Val	Ala	Ser	Lys	Val	Phe	Arg	Ser	Ser
1				5					10					15
Tyr	Glu	Asp	Lys	Asn	Leu	Leu	Lys	Lys	Asn	Lys	Asp	Glu	Ser	Ser
				20					25					30
Val	Ser	Ile	Ser	His	Thr	Lys	Cys	Ser	Leu	Leu	Gly	Asp	Ile	Ser
				35					40					45
Asp	Gly	Lys	Asn	Leu	Ile	Pro	Asn	Lys	Cys	Phe	Thr	Ser	Phe	Lys
				50					55					60
Asn	Asn	Ser	Lys	Glu	Lys	Cys	Ser	Leu	Lys	His	Gln	Thr	Arg	Asn
				65					70					75
Gln	Cys	Gln	Asn	Asn	Pro	Ser	Glu	Ile	Ile	Gln	Ser	Thr	Tyr	Gln
				80					85					90
Glu	Thr	Gln	Asn	Lys	Ser	Ser	Ser	Leu	Ser	Thr	Ser	Ser	Ile	Leu
				95					100					105
Ser	Gln	His	Lys	Glu	Asn	Asn	Leu	Asp	Leu	Thr	Ser	Arg	Phe	Lys
				110					115					120
Glu	Gln	Glu	Met	Ser	Asn	Gly	Ile	Asp	Lys	Gln	Tyr	Ser	Asn	Cys
				125					130					135
Thr	Thr	Ile	Asp	Lys	Gln	Ile	Cys	Thr	Asn	Lys	Tyr	Lys	Glu	Lys
				140					145					150
Ile	Ile	Asn	Glu	Asn	Tyr	Asn	Pro	Lys	Phe	Phe	Gly	Asn	Leu	Gln
				155					160					165
Ser	Asp	Asp	Ser	Lys	Lys	Asn	Asp	Ser	Lys	Ile	Lys	Val	Thr	Val
				170					175					180
Leu	Glu	Met	Ser	Glu	Tyr	Leu	Asn	Lys	Tyr	Glu	Ser	Met	Ser	Ser
				185					190					195
Asn	Lys	Asp	Ser	Lys	Arg	Pro	Lys	Thr	Cys	Glu	Gln	Asn	Thr	Gln
				200					205					210
Leu	Asn	Ser	Ile	Glu	Asn	Tyr	Leu	Asn	Lys	Asp	Asn	Glu	Gly	Phe
				215					220					225
Lys	Cys	Lys	Lys	Ser	Asp	Gln	Leu	Lys	Asn	Glu	Gln	Asp	Lys	Gln
				230					235					240
Glu	Asp	Pro	Thr	Asn	Glu	Lys	Ser	Gln	Asn	Tyr	Ser	Gln	Arg	Arg
				245					250					255
Ser	Ile	Lys	Asp	Cys	Leu	Ser	Thr	Cys	Glu	Gln	Pro	Lys	Asn	Thr
				260					265					270
Glu	Val	Leu	Arg	Thr	Thr	Leu	Lys	His	Ser	Asn	Val	Trp	Arg	Lys
				275					280					285

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His	Asn	Phe	His	Ser	Leu	Asp	Gly	Thr	Ser	Thr	Arg	Ala	Phe	His
				290					295					300
Pro	Gln	Thr	Gly	Leu	Pro	Leu	Leu	Ser	Ser	Pro	Val	Pro	Gln	Arg
				305					310					315
Lys	Thr	Gln	Ser	Gly	Cys	Phe	Asp	Leu	Asp	Ser	Ser	Leu	Leu	His
				320					325					330
Leu	Lys	Ser	Phe	Ser	Ser	Arg	Arg	Asn	Leu	Ser				
				335					340					

<210> 15

<211> 269

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 779255

<400> 15

Met	His	Thr	Glu	Thr	Ile	Lys	Pro	His	Lys	Cys	Pro	His	Cys	Ser
1				5					10					15
Lys	Thr	Phe	Ala	Asn	Thr	Ser	Tyr	Leu	Ala	Gln	His	Leu	Arg	Ile
				20					25					30
His	Ser	Gly	Ala	Lys	Pro	Tyr	Asn	Cys	Ser	Tyr	Cys	Gln	Lys	Ala
				35					40					45
Phe	Arg	Gln	Leu	Ser	His	Leu	Gln	Gln	His	Thr	Arg	Ile	His	Thr
				50					55					60
Gly	Asp	Arg	Pro	Tyr	Lys	Cys	Ala	His	Pro	Gly	Cys	Glu	Lys	Ala
				65					70					75
Phe	Thr	Gln	Leu	Ser	Asn	Leu	Gln	Ser	His	Arg	Arg	Gln	His	Asn
				80					85					90
Lys	Asp	Lys	Pro	Phe	Lys	Cys	His	Asn	Cys	His	Arg	Ala	Tyr	Thr
				95					100					105
Asp	Ala	Ala	Ser	Leu	Glu	Val	His	Leu	Ser	Thr	His	Thr	Val	Lys
				110					115					120
His	Ala	Lys	Val	Tyr	Thr	Cys	Thr	Ile	Cys	Ser	Arg	Ala	Tyr	Thr
				125					130					135
Ser	Glu	Thr	Tyr	Leu	Met	Lys	His	Met	Arg	Lys	His	Asn	Pro	Pro
				140					145					150
Asp	Leu	Gln	Gln	Gln	Val	Gln	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Val
				155					160					165
Ala	Gln	Ala	Gln	Ala	Gln	Ala	Gln	Ala	Gln	Ala	Gln	Ala	Gln	Ala
				170					175					180
Gln	Ala	Gln	Ala	Gln	Ala	Gln	Ala	Ser	Gln	Ala	Ser	Gln	Gln	Gln
				185					190					195
Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Pro	Pro
				200					205					210
Pro	His	Phe	Gln	Ser	Pro	Gly	Ala	Ala	Pro	Gln	Gly	Gly	Gly	Gly
				215					220					225
Gly	Asp	Ser	Asn	Pro	Asn	Pro	Pro	Pro	Gln	Cys	Ser	Phe	Asp	Leu
				230					235					240
Thr	Pro	Tyr	Lys	Thr	Ala	Glu	His	His	Lys	Asp	Ile	Cys	Leu	Thr
				245					250					255
Val	Thr	Thr	Ser	Thr	Ile	Gln	Val	Glu	His	Leu	Ala	Ser	Ser	



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260

265

<210> 16  
<211> 264  
<212> PRT  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<223> Incyte ID No: 1303605

<400> 16  
Met Glu Asn Tyr Gly Ile Glu Trp His Ser Val Arg Asp Ser Glu  
1 5 10 15  
Gly Gln Lys Leu Leu Ile Gly Val Gly Pro Glu Gly Ile Ser Ile  
20 25 30  
Cys Lys Asp Asp Phe Ser Pro Ile Asn Arg Ile Ala Tyr Pro Val  
35 40 45  
Val Gln Met Ala Thr Gln Ser Gly Lys Asn Val Tyr Leu Thr Val  
50 55 60  
Thr Lys Glu Ser Gly Asn Ser Ile Val Leu Leu Phe Lys Met Ile  
65 70 75  
Ser Thr Arg Ala Ala Ser Gly Leu Tyr Arg Ala Ile Thr Glu Thr  
80 85 90  
His Ala Phe Tyr Arg Cys Asp Thr Val Thr Ser Ala Val Met Met  
95 100 105  
Gln Tyr Ser Arg Asp Leu Lys Gly His Leu Ala Ser Leu Phe Leu  
110 115 120  
Asn Glu Asn Ile Asn Leu Gly Lys Lys Tyr Val Phe Asp Ile Lys  
125 130 135  
Arg Thr Ser Lys Glu Val Tyr Asp His Ala Arg Arg Ala Leu Tyr  
140 145 150  
Asn Ala Gly Val Val Asp Leu Val Ser Arg Ser Asn Gln Ser Pro  
155 160 165  
Ser His Ser Pro Leu Lys Ser Ser Glu Ser Ser Met Asn Cys Ser  
170 175 180  
Ser Cys Glu Gly Leu Ser Cys Gln Gln Thr Arg Val Leu Gln Glu  
185 190 195  
Lys Leu Arg Lys Leu Lys Glu Ala Met Leu Cys Met Val Cys Cys  
200 205 210  
Glu Glu Glu Ile Asn Ser Thr Phe Cys Pro Cys Gly His Thr Val  
215 220 225  
Cys Cys Glu Ser Cys Ala Ala Gln Leu Gln Ser Cys Pro Val Cys  
230 235 240  
Arg Ser Arg Val Glu His Val Gln His Val Tyr Leu Pro Thr His  
245 250 255  
Thr Ser Leu Leu Asn Leu Thr Val Ile  
260

<210> 17  
<211> 605  
<212> PRT  
<213> Homo sapiens

<220>

<223> Incyte ID No: 1611167

<400> 17

18

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	365	370	375
His Thr Gly Glu Lys Pro Phe Lys Cys Ser Glu Cys Gly Arg Ala			
	380	385	390
Phe Ser Gln Ser Ala Ser Leu Ile Gln His Glu Arg Ile His Thr			
	395	400	405
Gly Glu Lys Pro Tyr Arg Cys Asn Glu Cys Gly Lys Gly Phe Thr			
	410	415	420
Ser Ile Ser Arg Leu Asn Arg His Arg Ile Ile His Thr Gly Glu			
	425	430	435
Lys Phe Tyr Asn Cys Asn Glu Cys Gly Lys Ala Leu Ser Ser His			
	440	445	450
Ser Thr Leu Ile Ile His Glu Arg Ile His Thr Gly Glu Lys Pro			
	455	460	465
Cys Lys Cys Lys Val Cys Gly Lys Ala Phe Arg Gln Ser Ser Ala			
	470	475	480
Leu Ile Gln His Gln Arg Met His Thr Gly Glu Arg Pro Tyr Lys			
	485	490	495
Cys Asn Glu Cys Gly Lys Thr Phe Arg Cys Asn Ser Ser Leu Ser			
	500	505	510
Asn His Gln Arg Ile His Thr Gly Glu Lys Pro Tyr Arg Cys Glu			
	515	520	525
Glu Cys Gly Ile Ser Phe Gly Gln Ser Ser Ala Leu Ile Gln His			
	530	535	540
Arg Arg Ile His Thr Gly Glu Lys Pro Phe Lys Cys Asn Thr Cys			
	545	550	555
Gly Lys Thr Phe Arg Gln Ser Ser Ser Arg Ile Ala His Gln Arg			
	560	565	570
Ile His Thr Gly Glu Lys Pro Tyr Glu Cys Asn Thr Cys Gly Lys			
	575	580	585
Leu Phe Asn His Arg Ser Ser Leu Thr Asn His Tyr Lys Ile His			
	590	595	600
Ile Glu Glu Asp Pro			
	605		

<210> 18

<211> 757

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1907472

<400> 18

Met Gln Ser Ser Pro Asn Gly Gln Phe Val Ala Pro Ser Asp Ile		
1	5	10
Gln Leu Lys Cys Asn Tyr Cys Lys Asn Ser Phe Cys Ser Lys Pro		
	20	25
Glu Ile Leu Glu Trp Glu Asn Lys Val His Gln Phe Cys Ser Lys		
	35	40
Thr Cys Ser Asp Asp Tyr Lys Lys Leu His Cys Ile Val Thr Tyr		
	50	55
Cys Glu Tyr Cys Gln Glu Glu Lys Thr Leu His Glu Thr Val Asn		
	65	70
		75

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Phe	Ser	Gly	Val	Lys	Arg	Pro	Phe	Cys	Ser	Glu	Gly	Cys	Lys	Leu	80	85	90
Leu	Tyr	Lys	Gln	Asp	Phe	Ala	Arg	Arg	Leu	Gly	Leu	Arg	Cys	Val	95	100	105
Thr	Cys	Asn	Tyr	Cys	Ser	Gln	Leu	Cys	Lys	Lys	Gly	Ala	Thr	Lys	110	115	120
Glu	Leu	Asp	Gly	Val	Val	Arg	Asp	Phe	Cys	Ser	Glu	Asp	Cys	Cys	125	130	135
Lys	Lys	Phe	Gln	Asp	Trp	Tyr	Tyr	Lys	Ala	Ala	Arg	Cys	Asp	Cys	140	145	150
Cys	Lys	Ser	Gln	Gly	Thr	Leu	Lys	Glu	Arg	Val	Gln	Trp	Arg	Gly	155	160	165
Glu	Met	Lys	His	Phe	Cys	Asp	Gln	His	Cys	Leu	Leu	Arg	Phe	Tyr	170	175	180
Cys	Gln	Gln	Asn	Glu	Pro	Asn	Met	Thr	Thr	Gln	Lys	Gly	Pro	Glu	185	190	195
Asn	Leu	His	Tyr	Asp	Gln	Gly	Cys	Gln	Thr	Ser	Arg	Thr	Lys	Met	200	205	210
Thr	Gly	Ser	Ala	Pro	Pro	Pro	Ser	Pro	Thr	Pro	Asn	Lys	Glu	Met	215	220	225
Lys	Asn	Lys	Ala	Val	Leu	Cys	Lys	Pro	Leu	Thr	Met	Thr	Lys	Ala	230	235	240
Thr	Tyr	Cys	Lys	Pro	His	Met	Gln	Thr	Lys	Ser	Cys	Gln	Thr	Asp	245	250	255
Asp	Thr	Trp	Arg	Thr	Glu	Tyr	Val	Pro	Val	Pro	Ile	Pro	Val	Pro	260	265	270
Val	Tyr	Ile	Pro	Val	Pro	Met	His	Met	Tyr	Ser	Gln	Asn	Ile	Pro	275	280	285
Val	Pro	Thr	Thr	Val	Pro	Val	Pro	Val	Pro	Val	Pro	Val	Phe	Leu	290	295	300
Pro	Ala	Pro	Leu	Asp	Ser	Ser	Glu	Lys	Ile	Pro	Ala	Ala	Ile	Glu	305	310	315
Glu	Leu	Lys	Ser	Lys	Val	Ser	Ser	Asp	Ala	Leu	Asp	Thr	Glu	Leu	320	325	330
Leu	Thr	Met	Thr	Asp	Met	Met	Ser	Glu	Asp	Glu	Gly	Lys	Thr	Glu	335	340	345
Thr	Thr	Asn	Ile	Asn	Ser	Val	Ile	Ile	Glu	Thr	Asp	Ile	Ile	Gly	350	355	360
Ser	Asp	Leu	Leu	Lys	Asn	Ser	Asp	Pro	Glu	Thr	Gln	Ser	Ser	Met	365	370	375
Pro	Asp	Val	Pro	Tyr	Glu	Pro	Asp	Leu	Asp	Ile	Glu	Ile	Asp	Phe	380	385	390
Pro	Arg	Ala	Ala	Glu	Glu	Leu	Asp	Met	Glu	Asn	Glu	Phe	Leu	Leu	395	400	405
Pro	Pro	Val	Phe	Gly	Glu	Glu	Tyr	Glu	Glu	Gln	Pro	Arg	Pro	Arg	410	415	420
Ser	Lys	Lys	Lys	Gly	Ala	Lys	Arg	Lys	Ala	Val	Ser	Gly	Tyr	Gln	425	430	435
Ser	His	Asp	Asp	Ser	Ser	Asp	Asn	Ser	Glu	Cys	Ser	Phe	Pro	Phe	440	445	450
Lys	Tyr	Thr	Tyr	Gly	Val	Asn	Ala	Trp	Lys	His	Trp	Val	Lys	Thr	455	460	465
Arg	Gln	Leu	Asp	Glu	Asp	Leu	Leu	Val	Leu	Asp	Glu	Leu	Lys	Ser	470	475	480

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Ser	Lys	Ser	Val	Lys	Leu	Lys	Glu	Asp	Leu	Leu	Ser	His	Thr	Thr		
				485					490						495	
Ala	Glu	Leu	Asn	Tyr	Gly	Leu	Ala	His	Phe	Val	Asn	Glu	Ile	Arg		
				500					505					510		
Arg	Pro	Asn	Gly	Glu	Asn	Tyr	Ala	Pro	Asp	Ser	Ile	Tyr	Tyr	Leu		
				515					520					525		
Cys	Leu	Gly	Ile	Gln	Glu	Tyr	Leu	Cys	Gly	Ser	Asn	Arg	Lys	Asp		
				530					535					540		
Asn	Ile	Phe	Ile	Asp	Pro	Gly	Tyr	Gln	Thr	Phe	Glu	Gln	Glu	Leu		
				545					550					555		
Asn	Lys	Ile	Leu	Arg	Ser	Trp	Gln	Pro	Ser	Ile	Leu	Pro	Asp	Gly		
				560					565					570		
Ser	Ile	Phe	Ser	Arg	Val	Glu	Glu	Asp	Tyr	Leu	Trp	Arg	Ile	Lys		
				575					580					585		
Gln	Leu	Gly	Ser	His	Ser	Pro	Val	Ala	Leu	Leu	Asn	Thr	Leu	Phe		
				590					595					600		
Tyr	Phe	Asn	Thr	Lys	Tyr	Phe	Gly	Leu	Lys	Thr	Val	Glu	Gln	His		
				605					610					615		
Leu	Arg	Leu	Ser	Phe	Gly	Thr	Val	Phe	Arg	His	Trp	Lys	Lys	Asn		
				620					625					630		
Pro	Leu	Thr	Met	Glu	Asn	Lys	Ala	Cys	Leu	Arg	Tyr	Gln	Val	Ser		
				635					640					645		
Ser	Leu	Cys	Gly	Thr	Asp	Asn	Glu	Asp	Lys	Ile	Thr	Thr	Gly	Lys		
				650					655					660		
Arg	Lys	His	Glu	Asp	Asp	Glu	Pro	Val	Phe	Glu	Gln	Ile	Glu	Asn		
				665					670					675		
Thr	Ala	Asn	Pro	Ser	Arg	Cys	Pro	Val	Lys	Met	Phe	Glu	Cys	Tyr		
				680					685					690		
Leu	Ser	Lys	Ser	Pro	Gln	Asn	Leu	Asn	Gln	Arg	Met	Asp	Val	Phe		
				695					700					705		
Tyr	Leu	Gln	Pro	Glu	Cys	Ser	Ser	Ser	Thr	Asp	Ser	Pro	Val	Trp		
				710					715					720		
Tyr	Thr	Ser	Thr	Ser	Leu	Asp	Arg	Asn	Thr	Leu	Glu	Asn	Met	Leu		
				725					730					735		
Val	Arg	Val	Leu	Leu	Val	Lys	Asp	Ile	Tyr	Asp	Lys	Asp	Asn	Tyr		
				740					745					750		
Glu	Leu	Asp	Glu	Asp	Thr	Asp										
				755												

<210> 19

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1985458

<400> 19

Met	Val	Glu	Lys	Lys	Thr	Ser	Val	Arg	Ser	Gln	Asp	Pro	Gly	Gln		
1				5					10					15		
Arg	Arg	Val	Leu	Asp	Arg	Ala	Ala	Arg	Gln	Arg	Arg	Ile	Asn	Arg		
				20					25					30		
Gln	Leu	Glu	Ala	Leu	Glu	Asn	Asp	Asn	Phe	Gln	Asp	Asp	Pro	His		

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	35	40	45
Ala Gly Leu Pro Gln Leu Gly Lys Arg Leu Pro Gln Phe Asp Asp			
	50	55	60
Asp Ala Asp Thr Gly Lys Lys Lys Lys Lys Thr Arg Gly Asp His			
	65	70	75
Phe Lys Leu Arg Phe Arg Lys Asn Phe Gln Ala Leu Leu Glu Glu			
	80	85	90
Gln Asn Leu Ser Val Ala Glu Gly Pro Asn Tyr Leu Thr Ala Cys			
	95	100	105
Ala Gly Pro Pro Ser Arg Pro Gln Arg Pro Phe Cys Ala Val Cys			
	110	115	120
Gly Phe Pro Ser Pro Tyr Thr Cys Val Ser Cys Gly Ala Arg Tyr			
	125	130	135
Cys Thr Val Arg Cys Leu Gly Thr His Gln Glu Thr Arg Cys Leu			
	140	145	150
Lys Trp Thr Val			

<210> 20  
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 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 2726431

<400> 20

Met Asp Ser Val Val Phe Glu Asp Val Ala Val Asp Phe Thr Leu		
1	5	10
Glu Glu Trp Ala Leu Leu Asp Ser Ala Gln Arg Asp Leu Tyr Arg		
	20	25
Asp Val Met Leu Glu Thr Phe Gln Asn Leu Ala Ser Val Gly Lys		
	35	40
Ile Trp Asp Ser Leu Ser Ile Glu Asp Gln Thr Thr Asn Gln Gly		
	50	55
Arg Asn Leu Ser Arg Asn His Gly Leu Glu Arg Leu Cys Glu Ser		
	65	70
Asn Asp Gln Cys Gly Glu Ala Leu Ser Gln Ile Pro His Leu Asn		
	80	85
Leu Tyr Lys Lys Ile Pro Pro Gly Val Lys Gln Tyr Glu Tyr Asn		
	95	100
Thr Tyr Gly Lys Val Phe Met His Arg Arg Thr Ser Leu Lys Ser		
	110	115
Pro Ile Thr Val His Thr Gly His Lys Pro Tyr Gln Cys Gln Glu		
	125	130
Cys Gly Gln Ala Tyr Ser Cys Arg Ser His Leu Arg Met His Val		
	140	145
Arg Thr His Asn Gly Glu Arg Pro Tyr Val Cys Lys Leu Cys Gly		
	155	160
Lys Thr Phe Pro Arg Thr Ser Ser Leu Asn Arg His Val Arg Ile		
	170	175
His Thr Ala Glu Lys Thr Tyr Glu Cys Lys Gln Cys Gly Lys Ala		
	185	190

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Phe Ile Asp Phe	Ser Ser Leu Thr Ser	His Leu Arg Ser His Thr	200	205	210
Gly Glu Lys Pro	Tyr Lys Cys Lys Glu	Cys Gly Lys Ala Phe Ser	215	220	225
Tyr Ser Ser Thr	Phe Arg Arg His Thr	Ile Thr His Thr Gly Glu	230	235	240
Lys Pro Tyr Lys	Cys Lys Glu Cys Ala	Glu Ala Phe Ser Tyr Ser	245	250	255
Ser Thr Phe Arg	Arg His Met Ile Ser	His Thr Gly Glu Lys Pro	260	265	270
His Lys Cys Lys	Glu Cys Gly Glu Ala	Phe Ser Tyr Ser Ser Ala	275	280	285
Phe Arg Arg His	Met Ile Thr His Thr	Gly Glu Lys Pro Tyr Glu	290	295	300
Cys Lys Gln Cys	Gly Lys Thr Phe Ile	Tyr Leu Gln Ser Phe Arg	305	310	315
Arg His Glu Arg	Ile His Thr Gly Glu	Lys Pro Tyr Glu Cys Lys	320	325	330
Gln Cys Gly Lys	Thr Phe Ile Tyr Pro	Gln Ser Phe Arg Arg His	335	340	345
Glu Arg Thr His	Gly Gly Glu Lys Pro	Tyr Glu Cys Asn Gln Cys	350	355	360
Gly Lys Ala Phe	Ser His Pro Ser Ser	Phe Arg Gly His Met Arg	365	370	375
Val His Thr Gly	Glu Lys Pro Tyr Glu	Cys Lys Gln Cys Gly Lys	380	385	390
Thr Phe Asn Trp	Pro Ile Ser Leu Arg	Lys His Met Arg Thr His	395	400	405
Thr Arg Glu Lys	Pro Tyr Glu Cys Lys	Gln Cys Gly Lys Ala Phe	410	415	420
Ser Leu Ser Ala	Cys Phe Arg Glu His	Val Arg Met His Pro Glu	425	430	435
Asp Lys Ser Tyr	Glu Cys Lys Leu Cys	Gly Lys Ala Phe Tyr Cys	440	445	450
His Ile Ser Leu	Gln Lys His Met Arg	Arg His Thr Ala Glu Lys	455	460	465
Leu Tyr Lys Cys	Lys Gln Cys Gly Lys	Ala Phe Ser Trp Pro Glu	470	475	480
Leu Leu Gln Gln	His Val Arg Thr His	Thr Val Glu Lys Pro Tyr	485	490	495
Glu Cys Lys Glu	Cys Gly Lys Val Phe	Lys Trp Pro Ser Ser Leu	500	505	510
Pro Ile His Met	Arg Leu His Thr Gly	Glu Lys Pro Tyr Gln Cys	515	520	525
Lys His Cys Gly	Lys Ala Phe Asn Cys	Ser Ser Ser Leu Arg Arg	530	535	540
His Val Arg Ile	His Thr Thr Glu Lys	Gln Tyr Lys Cys Asn Val	545	550	555
Gly His Pro Pro	Ala Asn Glu Phe Met	Cys Ser Ala Ser Glu Lys	560	565	570
Ser His Gln Glu	Arg Asp Leu Ile Lys	Val Val Asn Met Val Leu	575	580	585
Pro Leu					

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<210> 21  
<211> 346  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2743828

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Met Ser Lys Pro Arg Ala Val Glu Ala Ala Ala Ala Ala Ala Ala  
1 5 10 15  
Val Ala Ala Thr Ala Pro Gly Pro Glu Met Val Glu Arg Arg Gly  
20 25 30  
Pro Gly Arg Pro Arg Thr Asp Gly Glu Asn Val Phe Thr Gly Gln  
35 40 45  
Ser Lys Ile Tyr Ser Tyr Met Ser Pro Asn Lys Cys Ser Gly Met  
50 55 60  
Arg Phe Pro Leu Gln Glu Glu Asn Ser Val Thr His His Glu Val  
65 70 75  
Lys Cys Gln Gly Lys Pro Leu Ala Gly Ile Tyr Arg Lys Arg Glu  
80 85 90  
Glu Lys Arg Asn Ala Gly Asn Ala Val Arg Ser Ala Met Lys Ser  
95 100 105  
Glu Glu Gln Lys Ile Lys Asp Ala Arg Lys Gly Pro Leu Val Pro  
110 115 120  
Phe Pro Asn Gln Lys Ser Glu Ala Ala Glu Pro Pro Lys Thr Pro  
125 130 135  
Pro Ser Ser Cys Asp Ser Thr Asn Ala Ala Ile Ala Lys Gln Ala  
140 145 150  
Leu Lys Lys Pro Ile Lys Gly Lys Gln Ala Pro Arg Lys Lys Ala  
155 160 165  
Gln Gly Lys Thr Gln Gln Asn Arg Lys Leu Thr Asp Phe Tyr Pro  
170 175 180  
Val Arg Arg Ser Ser Arg Lys Ser Lys Ala Glu Leu Gln Ser Glu  
185 190 195  
Glu Arg Lys Arg Ile Asp Glu Leu Ile Glu Ser Gly Lys Glu Glu  
200 205 210  
Gly Met Lys Ile Asp Leu Ile Asp Gly Lys Gly Arg Gly Val Ile  
215 220 225  
Ala Thr Lys Gln Phe Ser Arg Gly Asp Phe Val Val Glu Tyr His  
230 235 240  
Gly Asp Leu Ile Glu Ile Thr Asp Ala Lys Lys Arg Glu Ala Leu  
245 250 255  
Tyr Ala Gln Asp Pro Ser Thr Gly Cys Tyr Met Tyr Tyr Phe Gln  
260 265 270  
Tyr Leu Ser Lys Thr Tyr Cys Val Asp Ala Thr Arg Glu Thr Asn  
275 280 285  
Arg Leu Gly Arg Leu Ile Asn His Ser Lys Cys Gly Asn Cys Gln  
290 295 300  
Thr Lys Leu His Asp Ile Asp Gly Val Pro His Leu Ile Leu Ile  
305 310 315  
Ala Ser Arg Asp Ile Ala Ala Gly Glu Glu Leu Leu Tyr Asp Tyr



Gly Asp Arg Ser Lys Ala Ser Ile Glu Ala His Pro Trp Leu Lys  
His

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<210> 22
<211> 481
<212> PRT
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte ID No: 2998209
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<400> 22														
Met	Asp	Phe	Gln	Arg	Ile	Glu	Leu	Ala	Gly	Ala	Val	Gly	Ser	Lys
1				5					10					15
Glu	Glu	Leu	Glu	Val	Asp	Phe	Lys	Lys	Leu	Lys	Gln	Ile	Lys	Asn
				20					25					30
Arg	Met	Lys	Lys	Thr	Asp	Trp	Leu	Phe	Leu	Asn	Ala	Cys	Val	Gly
				35					40					45
Val	Val	Glu	Gly	Asp	Leu	Ala	Ala	Ile	Glu	Ala	Tyr	Lys	Ser	Ser
				50					55					60
Gly	Gly	Asp	Ile	Ala	Arg	Gln	Leu	Thr	Ala	Asp	Glu	Val	Arg	Leu
				65					70					75
Leu	Asn	Arg	Pro	Ser	Ala	Phe	Asp	Val	Gly	Tyr	Thr	Leu	Val	His
				80					85					90
Leu	Ala	Ile	Arg	Phe	Gln	Arg	Gln	Asp	Met	Leu	Ala	Ile	Leu	Leu
				95					100					105
Thr	Glu	Val	Ser	Gln	Gln	Ala	Ala	Lys	Cys	Ile	Pro	Ala	Met	Val
				110					115					120
Cys	Pro	Glu	Leu	Thr	Glu	Gln	Ile	Arg	Arg	Glu	Ile	Ala	Ala	Ser
				125					130					135
Leu	His	Gln	Arg	Lys	Gly	Asp	Phe	Ala	Cys	Tyr	Phe	Leu	Thr	Asp
				140					145					150
Leu	Val	Thr	Phe	Thr	Leu	Pro	Ala	Asp	Ile	Glu	Asp	Leu	Pro	Pro
				155					160					165
Thr	Val	Gln	Glu	Lys	Leu	Phe	Asp	Glu	Val	Leu	Asp	Arg	Asp	Val
				170					175					180
Gln	Lys	Glu	Leu	Glu	Glu	Glu	Ser	Pro	Ile	Ile	Asn	Trp	Ser	Leu
				185					190					195
Glu	Leu	Ala	Thr	Arg	Leu	Asp	Ser	Arg	Leu	Tyr	Ala	Leu	Trp	Asn
				200					205					210
Arg	Thr	Ala	Gly	Asp	Cys	Leu	Leu	Asp	Ser	Val	Leu	Gln	Ala	Thr
				215					220					225
Trp	Gly	Ile	Tyr	Asp	Lys	Asp	Ser	Val	Leu	Arg	Lys	Ala	Leu	His
				230					235					240
Asp	Ser	Leu	His	Asp	Cys	Ser	His	Trp	Phe	Tyr	Thr	Arg	Trp	Lys
				245					250					255
Asp	Trp	Glu	Ser	Trp	Tyr	Ser	Gln	Ser	Phe	Gly	Leu	His	Phe	Ser
				260					265					270
Leu	Arg	Glu	Glu	Gln	Trp	Gln	Glu	Asp	Trp	Ala	Phe	Ile	Leu	Ser
				275					280					285

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Leu	Ala	Ser	Gln	Pro	Gly	Ala	Ser	Leu	Glu	Gln	Thr	His	Ile	Phe
				290					295					300
Val	Leu	Ala	His	Ile	Leu	Arg	Arg	Pro	Ile	Ile	Val	Tyr	Gly	Val
				305					310					315
Lys	Tyr	Tyr	Lys	Ser	Phe	Arg	Gly	Glu	Thr	Leu	Gly	Tyr	Thr	Arg
				320					325					330
Phe	Gln	Gly	Val	Tyr	Leu	Pro	Leu	Leu	Trp	Glu	Gln	Ser	Phe	Cys
				335					340					345
Trp	Lys	Ser	Pro	Ile	Ala	Leu	Gly	Tyr	Thr	Arg	Gly	His	Phe	Ser
				350					355					360
Ala	Leu	Val	Ala	Met	Glu	Asn	Asp	Gly	Tyr	Gly	Asn	Arg	Gly	Ala
				365					370					375
Gly	Ala	Asn	Leu	Asn	Thr	Asp	Asp	Asp	Val	Thr	Ile	Thr	Phe	Leu
				380					385					390
Pro	Leu	Val	Asp	Ser	Glu	Arg	Lys	Leu	Leu	His	Val	His	Phe	Leu
				395					400					405
Ser	Ala	Gln	Glu	Leu	Gly	Asn	Glu	Glu	Gln	Gln	Glu	Lys	Leu	Leu
				410					415					420
Arg	Glu	Trp	Leu	Asp	Cys	Cys	Val	Thr	Glu	Gly	Gly	Val	Leu	Val
				425					430					435
Ala	Met	Gln	Lys	Ser	Ser	Arg	Arg	Arg	Asn	His	Pro	Leu	Val	Thr
				440					445					450
Gln	Met	Val	Glu	Lys	Trp	Leu	Asp	Arg	Tyr	Arg	Gln	Ile	Arg	Pro
				455					460					465
Cys	Thr	Ser	Leu	Ser	Asp	Gly	Glu	Glu	Asp	Glu	Asp	Asp	Glu	Asp
				470					475					480

Glu

<210> 23  
 <211> 179  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 3340296

<400> 23

Met	Ser	Thr	Gly	Ser	Leu	Ser	Asp	Val	Glu	Asp	Leu	Gln	Glu	Val
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Glu	Met	Leu	Glu	Cys	Asp	Gly	Leu	Lys	Met	Asp	Ser	Asn	Lys	Glu
				20					25					30
Phe	Val	Thr	Ser	Asn	Glu	Ser	Thr	Glu	Glu	Ser	Ser	Asn	Cys	Glu
				35					40					45
Asn	Gly	Ser	Pro	Gln	Lys	Gly	Arg	Gly	Gly	Leu	Gly	Lys	Arg	Arg
				50					55					60
Lys	Ala	Pro	Thr	Lys	Lys	Ser	Pro	Leu	Ser	Gly	Val	Ser	Gln	Glu
				65					70					75
Gly	Lys	Gln	Val	Gln	Arg	Asn	Ala	Ala	Asn	Ala	Arg	Glu	Arg	Ala
				80					85					90
Arg	Met	Arg	Val	Leu	Ser	Lys	Ala	Phe	Ser	Arg	Leu	Lys	Thr	Thr
				95					100					105
Leu	Pro	Trp	Val	Pro	Pro	Asp	Thr	Lys	Leu	Ser	Lys	Leu	Asp	Thr

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	110		115		120
Leu Arg Leu Ala	Ser Ser Tyr Ile Ala	His Leu Arg Gln Ile	Leu		
	125		130		135
Ala Asn Asp Lys	Tyr Glu Asn Gly Tyr	Ile His Pro Val Asn	Leu		
	140		145		150
Thr Trp Pro Phe	Met Val Ala Gly Lys	Pro Glu Ser Asp	Leu Lys		
	155		160		165
Glu Val Val Thr	Ala Ser Arg Leu Cys	Gly Thr Thr Ala	Ser		
	170		175		

<210> 24  
<211> 254  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 3536740

<400> 24

Met Ile Asp Glu Ile	Leu Ser Lys Glu Thr	Cys Asp Tyr Phe	Glu
1	5	10	15
Lys Leu Ser Leu Tyr	Ser Val Cys Pro Ser	Leu Val Val Arg	Pro
	20	25	30
Lys Pro Leu His Ser	Cys Thr Gly Ser Pro	Ser Leu Arg Ala	Tyr
	35	40	45
Pro Leu Leu Ser Val	Ile Thr Arg Gln Pro	Thr Val Ile Ser	His
	50	55	60
Leu Val Pro Ala Thr	Pro Gly Ile Ala Gln	Ala Leu Ser Cys	His
	65	70	75
Gln Val Thr Glu Ala	Val Ser Ala Glu Ala	Pro Gly Gly Glu	Ala
	80	85	90
Leu Ala Ser Ser Glu	Ser Glu Thr Glu Gln	Pro Thr Pro Arg	Gln
	95	100	105
Lys Lys Pro Arg Arg	Ser Arg Thr Ile Phe	Thr Glu Leu Gln	Leu
	110	115	120
Met Gly Leu Glu Lys	Lys Phe Gln Lys Gln	Lys Tyr Leu Ser	Thr
	125	130	135
Pro Asp Arg Leu Asp	Leu Ala Gln Ser Leu	Gly Leu Thr Gln	Leu
	140	145	150
Gln Val Lys Thr Trp	Tyr Gln Asn Arg Arg	Met Lys Trp Lys	Lys
	155	160	165
Met Val Leu Lys Gly	Gly Gln Glu Ala Pro	Thr Lys Pro Lys	Gly
	170	175	180
Arg Pro Lys Lys Asn	Ser Ile Pro Thr Ser	Glu Glu Ile Glu	Ala
	185	190	195
Glu Glu Lys Met Asn	Ser Gln Ala Gln Gly	Gln Glu Gln Leu	Glu
	200	205	210
Pro Ser Gln Gly Gln	Glu Glu Leu Cys Glu	Ala Gln Glu Pro	Lys
	215	220	225
Ala Arg Asp Val Pro	Leu Glu Met Ala Glu	Pro Pro Asp Pro	Pro
	230	235	240
Gln Glu Leu Pro Ile	Pro Ser Ser Glu Pro	Pro Pro Leu Ser	
	245	250	

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<210> 25

<211> 498

<212> PRT

<213> Homo sapiens

<220> .

<221> misc\_feature

<223> Incyte ID No: 082155

<400> 25

Met	Asp	Phe	Ser	Val	Lys	Val	Asp	Ile	Glu	Lys	Glu	Val	Thr	Cys
1				5					10					15
Pro	Ile	Cys	Leu	Glu	Leu	Leu	Thr	Glu	Pro	Leu	Ser	Leu	Asp	Cys
			20						25					30
Gly	His	Ser	Phe	Cys	Gln	Ala	Cys	Ile	Thr	Ala	Lys	Ile	Lys	Glu
			35						40					45
Ser	Val	Ile	Ile	Ser	Arg	Gly	Glu	Ser	Ser	Cys	Pro	Val	Cys	Gln
			50						55					60
Thr	Arg	Phe	Gln	Pro	Gly	Asn	Leu	Arg	Pro	Asn	Arg	His	Leu	Ala
			65						70					75
Asn	Ile	Val	Glu	Arg	Val	Lys	Glu	Val	Lys	Met	Ser	Pro	Gln	Glu
			80						85					90
Gly	Gln	Lys	Arg	Asp	Val	Cys	Glu	His	His	Gly	Lys	Lys	Leu	Gln
			95						100					105
Ile	Phe	Cys	Lys	Glu	Asp	Gly	Lys	Val	Ile	Cys	Trp	Val	Cys	Glu
			110						115					120
Leu	Ser	Gln	Glu	His	Gln	Gly	His	Gln	Thr	Phe	Arg	Ile	Asn	Glu
			125						130					135
Val	Val	Lys	Glu	Cys	Gln	Glu	Lys	Leu	Gln	Val	Ala	Leu	Gln	Arg
			140						145					150
Leu	Ile	Lys	Glu	Asp	Gln	Glu	Ala	Glu	Lys	Leu	Glu	Asp	Asp	Ile
			155						160					165
Arg	Gln	Glu	Arg	Thr	Ala	Trp	Lys	Asn	Tyr	Ile	Gln	Ile	Glu	Arg
			170						175					180
Gln	Lys	Ile	Leu	Lys	Gly	Phe	Asn	Glu	Met	Arg	Val	Ile	Leu	Asp
			185						190					195
Asn	Glu	Glu	Gln	Arg	Glu	Leu	Gln	Lys	Leu	Glu	Glu	Gly	Glu	Val
			200						205					210
Asn	Val	Leu	Asp	Asn	Leu	Ala	Ala	Ala	Thr	Asp	Gln	Leu	Val	Gln
			215						220					225
Gln	Arg	Gln	Asp	Ala	Ser	Thr	Leu	Ile	Ser	Asp	Leu	Gln	Arg	Arg
			230						235					240
Leu	Thr	Gly	Ser	Ser	Val	Glu	Met	Leu	Gln	Asp	Val	Ile	Asp	Val
			245						250					255
Met	Lys	Arg	Ser	Glu	Ser	Trp	Thr	Leu	Lys	Lys	Pro	Lys	Ser	Val
			260						265					270
Ser	Lys	Lys	Leu	Lys	Ser	Val	Phe	Arg	Val	Pro	Asp	Leu	Ser	Gly
			275						280					285
Met	Leu	Gln	Val	Leu	Lys	Glu	Leu	Thr	Asp	Val	Gln	Tyr	Tyr	Trp
			290						295					300
Val	Asp	Val	Met	Leu	Asn	Pro	Gly	Ser	Ala	Thr	Ser	Asn	Val	Ala
			305						310					315
Ile	Ser	Val	Asp	Gln	Arg	Gln	Val	Lys	Thr	Val	Arg	Thr	Cys	Thr

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	320		325		330
Phe Lys Asn Ser	Asn Pro Cys Asp Phe	Ser Ala Phe Gly Val	Phe		
	335		340		345
Gly Cys Gln Tyr	Phe Ser Ser Gly Lys	Tyr Tyr Trp Glu Val	Asp		
	350		355		360
Val Ser Gly Lys	Ile Ala Trp Ile Leu	Gly Val His Ser Lys	Ile		
	365		370		375
Ser Ser Leu Asn	Lys Arg Lys Ser Ser	Gly Phe Ala Phe Asp	Pro		
	380		385		390
Ser Val Asn Tyr	Ser Lys Val Tyr Ser	Arg Tyr Arg Pro Gln	Tyr		
	395		400		405
Gly Tyr Trp Val	Ile Gly Leu Gln Asn	Thr Cys Glu Tyr Asn	Ala		
	410		415		420
Phe Glu Asp Ser	Ser Ser Ser Asp Pro	Lys Val Leu Thr Leu	Phe		
	425		430		435
Met Ala Val Pro	Pro Cys Arg Ile Gly	Val Phe Leu Asp Tyr	Glu		
	440		445		450
Ala Gly Ile Val	Ser Phe Phe Asn Val	Thr Asn His Gly Ala	Leu		
	455		460		465
Ile Tyr Lys Phe	Ser Gly Cys Arg Phe	Ser Arg Pro Ala Tyr	Pro		
	470		475		480
Tyr Phe Asn Pro	Trp Asn Cys Leu Val	Pro Met Thr Val Cys	Pro		
	485		490		495
Pro Ser Ser					

<210> 26  
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 095477

<400> 26

Met Ala Ala Glu Thr	Gln Thr Leu Asn Phe	Gly Pro Glu Trp Leu
1	5	10
Arg Ala Leu Ser Ser	Gly Gly Ser Ile Thr	Ser Pro Pro Leu Ser
	20	25
Pro Ala Leu Pro Lys	Tyr Lys Leu Ala Asp	Tyr Arg Tyr Gly Arg
	35	40
Glu Glu Met Leu Ala	Leu Phe Leu Lys Asp	Asn Lys Ile Pro Ser
	50	55
Asp Leu Leu Asp Lys	Glu Phe Leu Pro Ile	Leu Gln Glu Glu Pro
	65	70
Leu Pro Pro Leu Ala	Leu Val Pro Phe Thr	Glu Glu Glu Gln Arg
	80	85
Asn Phe Ser Met Ser	Val Asn Ser Ala Ala	Val Leu Arg Leu Thr
	95	100
Gly Arg Gly Gly Gly	Gly Thr Val Val Gly	Ala Pro Arg Gly Arg
	110	115
Ser Ser Ser Arg Gly	Arg Gly Arg Gly Arg	Gly Glu Cys Gly Phe
	125	130
		135

Tyr Gln Arg Ser Phe Asp Glu Val Glu Gly Val Phe Gly Arg Gly	140	145	150
Gly Gly Arg Glu Met His Arg Ser Gln Ser Trp Glu Glu Arg Gly	155	160	165
Asp Arg Arg Phe Glu Lys Pro Gly Arg Lys Asp Val Gly Arg Pro	170	175	180
Asn Phe Glu Glu Gly Gly Pro Thr Ser Val Gly Arg Lys His Glu	185	190	195
Phe Ile Arg Ser Glu Ser Glu Asn Trp Arg Ile Phe Arg Glu Glu	200	205	210
Gln Asn Gly Glu Asp Glu Asp Gly Gly Trp Arg Leu Ala Gly Ser	215	220	225
Arg Arg Asp Gly Glu Arg Trp Arg Pro His Ser Pro Asp Gly Pro	230	235	240
Arg Ser Ala Gly Trp Arg Glu His Met Glu Arg Arg Arg Arg Phe	245	250	255
Glu Phe Asp Phe Arg Asp Arg Asp Asp Glu Arg Gly Tyr Arg Arg	260	265	270
Val Arg Ser Gly Ser Gly Ser Ile Asp Asp Asp Arg Asp Ser Leu	275	280	285
Pro Glu Trp Cys Leu Glu Asp Ala Glu Glu Glu Met Gly Thr Phe	290	295	300
Asp Ser Ser Gly Ala Phe Leu Ser Leu Lys Lys Val Gln Lys Glu	305	310	315
Pro Ile Pro Glu Glu Gln Glu Met Asp Phe Arg Pro Val Asp Glu	320	325	330
Gly Glu Glu Cys Ser Asp Ser Glu Gly Ser His Asn Glu Glu Ala	335	340	345
Lys Glu Pro Asp Lys Thr Asn Lys Lys Glu Gly Glu Lys Thr Asp	350	355	360
Arg Val Gly Val Glu Ala Ser Glu Glu Thr Pro Gln Thr Ser Ser	365	370	375
Ser Ser Ala Arg Pro Gly Thr Pro Ser Asp His Gln Ser Gln Glu	380	385	390
Ala Ser Gln Phe Glu Arg Lys Asp Glu Pro Lys Thr Glu Gln Thr	395	400	405
Glu Lys Ala Glu Glu Glu Thr Arg Met Glu Asn Ser Leu Pro Ala	410	415	420
Lys Val Pro Ser Arg Gly Asp Glu Met Val Ala Asp Val Gln Gln	425	430	435
Pro Leu Ser Gln Ile Pro Ser Asp Thr Ala Ser Pro Leu Leu Ile	440	445	450
Leu Pro Pro Pro Val Pro Asn Pro Ser Pro Thr Leu Arg Pro Val	455	460	465
Glu Thr Pro Val Val Gly Ala Pro Gly Met Gly Ser Val Ser Thr	470	475	480
Glu Pro Asp Asp Glu Glu Gly Leu Lys His Leu Glu Gln Gln Ala	485	490	495
Glu Lys Met Val Ala Tyr Leu Gln Asp Ser Ala Leu Asp Asp Glu	500	505	510
Arg Leu Ala Ser Lys Leu Gln Glu His Arg Ala Lys Gly Val Ser	515	520	525
Ile Pro Leu Met His Glu Ala Met Gln Lys Trp Tyr Tyr Lys Asp	530	535	540

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Pro	Gln	Gly	Glu	Ile	Gln	Gly	Pro	Phe	Asn	Asn	Gln	Glu	Met	Ala	545	550	555
Glu	Trp	Phe	Gln	Ala	Gly	Tyr	Phe	Thr	Met	Ser	Leu	Leu	Val	Lys	560	565	570
Arg	Ala	Cys	Asp	Glu	Ser	Phe	Gln	Pro	Leu	Gly	Asp	Ile	Met	Lys	575	580	585
Met	Trp	Gly	Arg	Val	Pro	Phe	Ser	Pro	Gly	Pro	Ala	Pro	Pro	Pro	590	595	600
His	Met	Gly	Glu	Leu	Asp	Gln	Glu	Arg	Leu	Thr	Arg	Gln	Gln	Glu	605	610	615
Leu	Thr	Ala	Leu	Tyr	Gln	Met	Gln	His	Leu	Gln	Tyr	Gln	Gln	Phe	620	625	630
Leu	Ile	Gln	Gln	Gln	Tyr	Ala	Gln	Val	Leu	Ala	Gln	Gln	Gln	Lys	635	640	645
Ala	Ala	Leu	Ser	Ser	Gln	Gln	Gln	Gln	Gln	Leu	Ala	Leu	Leu	Leu	650	655	660
Gln	Gln	Phe	Gln	Thr	Leu	Lys	Met	Arg	Ile	Ser	Asp	Gln	Asn	Ile	665	670	675
Ile	Pro	Ser	Val	Thr	Arg	Ser	Val	Ser	Val	Pro	Asp	Thr	Gly	Ser	680	685	690
Ile	Trp	Glu	Leu	Gln	Pro	Thr	Ala	Ser	Gln	Pro	Thr	Val	Trp	Glu	695	700	705
Gly	Gly	Ser	Val	Trp	Asp	Leu	Pro	Leu	Asp	Thr	Thr	Thr	Pro	Gly	710	715	720
Pro	Ala	Leu	Glu	Gln	Leu	Gln	Gln	Leu	Glu	Lys	Ala	Lys	Ala	Ala	725	730	735
Lys	Leu	Glu	Gln	Glu	Arg	Arg	Glu	Ala	Glu	Met	Arg	Ala	Lys	Arg	740	745	750
Glu	Glu	Glu	Glu	Arg	Lys	Arg	Gln	Glu	Glu	Leu	Arg	Arg	Gln	Gln	755	760	765
Glu	Glu	Ile	Leu	Arg	Arg	Gln	Gln	Glu	Glu	Glu	Arg	Lys	Arg	Arg	770	775	780
Glu	Glu	Glu	Glu	Leu	Ala	Arg	Arg	Lys	Gln	Glu	Glu	Ala	Leu	Arg	785	790	795
Arg	Gln	Arg	Glu	Gln	Glu	Ile	Ala	Leu	Arg	Arg	Gln	Arg	Glu	Glu	800	805	810
Glu	Glu	Arg	Gln	Gln	Gln	Glu	Glu	Ala	Leu	Arg	Arg	Leu	Glu	Glu	815	820	825
Arg	Arg	Arg	Glu	Glu	Glu	Glu	Arg	Arg	Lys	Gln	Glu	Glu	Leu	Leu	830	835	840
Arg	Lys	Gln	Glu	Glu	Glu	Ala	Ala	Lys	Trp	Ala	Arg	Glu	Glu	Glu	845	850	855
Glu	Ala	Gln	Arg	Arg	Leu	Glu	Glu	Asn	Arg	Leu	Arg	Met	Glu	Glu	860	865	870
Glu	Ala	Ala	Arg	Leu	Arg	His	Glu	Glu	Glu	Glu	Arg	Lys	Arg	Lys	875	880	885
Glu	Leu	Glu	Val	Gln	Arg	Gln	Lys	Glu	Leu	Met	Arg	Gln	Arg	Gln	890	895	900
Gln	Gln	Gln	Glu	Ala	Leu	Arg	Arg	Leu	Gln	Gln	Gln	Gln	Gln	Gln	905	910	915
Gln	Gln	Leu	Ala	Gln	Met	Lys	Leu	Pro	Ser	Ser	Ser	Thr	Trp	Gly	920	925	930
Gln	Gln	Ser	Asn	Thr	Thr	Ala	Cys	Gln	Ser	Gln	Ala	Thr	Leu	Ser	935	940	945

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Leu	Ala	Glu	Ile	Gln	Lys	Leu	Glu	Glu	Glu	Arg	Glu	Arg	Gln	Leu	
				950						955					960
Arg	Glu	Glu	Gln	Arg	Arg	Gln	Gln	Arg	Glu	Leu	Met	Lys	Ala	Leu	
				965						970					975
Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Lys	Leu	Ser	Gly	Trp	Gly	
				980						985					990
Asn	Val	Ser	Lys	Pro	Ser	Gly	Thr	Thr	Lys	Ser	Leu	Leu	Glu	Ile	
				995						1000					1005
Gln	Gln	Glu	Glu	Ala	Arg	Gln	Met	Gln	Lys	Gln	Gln	Gln	Gln	Gln	
				1010						1015					1020
Gln	Gln	His	Gln	Gln	Pro	Asn	Arg	Ala	Arg	Asn	Asn	Thr	His	Ser	
				1025						1030					1035
Asn	Leu	His	Thr	Ser	Ile	Gly	Asn	Ser	Val	Trp	Gly	Ser	Ile	Asn	
				1040						1045					1050
Thr	Gly	Pro	Pro	Asn	Gln	Trp	Ala	Ser	Asp	Leu	Val	Ser	Ser	Ile	
				1055						1060					1065
Trp	Ser	Asn	Ala	Asp	Thr	Lys	Asn	Ser	Asn	Met	Gly	Phe	Trp	Asp	
				1070						1075					1080
Asp	Ala	Val	Lys	Glu	Val	Gly	Pro	Arg	Asn	Ser	Thr	Asn	Lys	Asn	
				1085						1090					1095
Lys	Asn	Asn	Ala	Ser	Leu	Ser	Lys	Ser	Val	Gly	Val	Ser	Asn	Arg	
				1100						1105					1110
Gln	Asn	Lys	Lys	Val	Glu	Glu	Glu	Glu	Lys	Leu	Leu	Lys	Leu	Phe	
				1115						1120					1125
Gln	Gly	Val	Asn	Lys	Ala	Gln	Asp	Gly	Phe	Thr	Gln	Trp	Cys	Glu	
				1130						1135					1140
Gln	Met	Leu	His	Ala	Leu	Asn	Thr	Ala	Asn	Asn	Leu	Asp	Val	Pro	
				1145						1150					1155
Thr	Phe	Val	Ser	Phe	Leu	Lys	Glu	Val	Glu	Ser	Pro	Tyr	Glu	Val	
				1160						1165					1170
His	Asp	Tyr	Ile	Arg	Ala	Tyr	Leu	Gly	Asp	Thr	Ser	Glu	Ala	Lys	
				1175						1180					1185
Glu	Phe	Ala	Lys	Gln	Phe	Leu	Glu	Arg	Arg	Ala	Lys	Gln	Lys	Ala	
				1190						1195					1200
Asn	Gln	Gln	Arg	Gln	Gln	Gln	Gln	Leu	Pro	Gln	Gln	Gln	Gln	Gln	
				1205						1210					1215
Gln	Pro	Pro	Gln	Gln	Pro	Pro	Gln	Gln	Pro	Gln	Gln	Gln	Asp	Ser	
				1220						1225					1230
Val	Trp	Gly	Met	Asn	His	Ser	Thr	Leu	His	Ser	Val	Phe	Gln	Thr	
				1235						1240					1245
Asn	Gln	Ser	Asn	Asn	Gln	Gln	Ser	Asn	Phe	Glu	Ala	Val	Gln	Ser	
				1250						1255					1260
Gly	Lys	Lys	Lys	Lys	Lys	Gln	Lys	Met	Val	Arg	Ala	Asp	Pro	Ser	
				1265						1270					1275
Leu	Leu	Gly	Phe	Ser	Val	Asn	Ala	Ser	Ser	Glu	Arg	Leu	Asn	Met	
				1280						1285					1290
Gly	Glu	Ile	Glu	Thr	Leu	Asp	Asp	Tyr							
				1295											

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<211> 951  
<212> PRT  
<213> Homo sapiens



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<220>

<221> misc\_feature

<223> Incyte ID No: 1399169

<400> 27

Met	Ala	Thr	Gly	Thr	Gly	Lys	His	Lys	Leu	Leu	Ser	Thr	Gly	Pro
1				5					10					15
Thr	Glu	Pro	Trp	Ser	Ile	Arg	Glu	Lys	Leu	Cys	Leu	Ala	Ser	Ser
				20					25					30
Val	Met	Arg	Ser	Gly	Asp	Gln	Asn	Trp	Val	Ser	Val	Ser	Arg	Ala
				35					40					45
Ile	Lys	Pro	Phe	Ala	Glu	Pro	Gly	Arg	Pro	Pro	Asp	Trp	Phe	Ser
				50					55					60
Gln	Lys	His	Cys	Ala	Ser	Gln	Tyr	Ser	Glu	Leu	Leu	Glu	Thr	Thr
				65					70					75
Glu	Thr	Pro	Lys	Arg	Lys	Arg	Gly	Glu	Lys	Gly	Glu	Val	Val	Glu
				80					85					90
Thr	Val	Glu	Asp	Val	Ile	Val	Arg	Lys	Leu	Thr	Ala	Glu	Arg	Val
				95					100					105
Glu	Glu	Leu	Lys	Lys	Val	Ile	Lys	Glu	Thr	Gln	Glu	Arg	Tyr	Arg
				110					115					120
Arg	Leu	Lys	Arg	Asp	Ala	Glu	Leu	Ile	Gln	Ala	Gly	His	Met	Asp
				125					130					135
Ser	Arg	Leu	Asp	Glu	Leu	Cys	Asn	Asp	Ile	Ala	Thr	Lys	Lys	Lys
				140					145					150
Leu	Glu	Glu	Glu	Glu	Ala	Glu	Val	Lys	Arg	Lys	Ala	Thr	Asp	Ala
				155					160					165
Ala	Tyr	Gln	Ala	Arg	Gln	Ala	Val	Lys	Thr	Pro	Pro	Arg	Arg	Leu
				170					175					180
Pro	Thr	Val	Met	Val	Arg	Ser	Pro	Ile	Asp	Ser	Ala	Ser	Pro	Gly
				185					190					195
Gly	Asp	Tyr	Pro	Leu	Gly	Asp	Leu	Thr	Pro	Thr	Thr	Met	Glu	Glu
				200					205					210
Ala	Thr	Ser	Gly	Val	Thr	Pro	Gly	Thr	Leu	Pro	Ser	Thr	Pro	Val
				215					220					225
Thr	Ser	Phe	Pro	Gly	Ile	Pro	Asp	Thr	Leu	Pro	Pro	Gly	Ser	Ala
				230					235					240
Pro	Leu	Glu	Ala	Pro	Met	Thr	Pro	Val	Thr	Asp	Asp	Ser	Pro	Gln
				245					250					255
Lys	Lys	Met	Leu	Gly	Gln	Lys	Ala	Thr	Pro	Pro	Pro	Ser	Pro	Leu
				260					265					270
Leu	Ser	Glu	Leu	Leu	Lys	Lys	Gly	Ser	Leu	Leu	Pro	Thr	Ser	Pro
				275					280					285
Arg	Leu	Val	Asn	Glu	Ser	Glu	Met	Ala	Val	Ala	Ser	Gly	His	Leu
				290					295					300
Asn	Ser	Thr	Gly	Val	Leu	Leu	Glu	Val	Gly	Gly	Val	Leu	Pro	Met
				305					310					315
Ile	His	Gly	Gly	Glu	Ile	Gln	Gln	Thr	Pro	Asn	Thr	Val	Ala	Ala
				320					325					330
Ser	Pro	Ala	Ala	Ser	Gly	Ala	Pro	Thr	Leu	Ser	Arg	Leu	Leu	Glu
				335					340					345
Ala	Gly	Pro	Thr	Gln	Phe	Thr	Thr	Pro	Leu	Ala	Ser	Phe	Thr	Thr
				350					355					360
Val	Ala	Ser	Glu	Pro	Pro	Val	Lys	Leu	Val	Pro	Pro	Pro	Val	Glu

	365	370	375
Ser Val Ser Gln Ala Thr Ile Val Met Met Pro Ala Leu Pro Ala			
	380	385	390
Pro Ser Ser Ala Pro Ala Val Ser Thr Thr Glu Ser Val Ala Pro			
	395	400	405
Val Ser Gln Pro Asp Asn Cys Val Pro Met Glu Ala Val Gly Asp			
	410	415	420
Pro His Thr Val Thr Val Ser Met Asp Ser Ser Glu Ile Ser Met			
	425	430	435
Ile Ile Asn Ser Ile Lys Glu Glu Cys Phe Arg Ser Gly Val Ala			
	440	445	450
Glu Ala Pro Val Gly Ser Lys Ala Pro Ser Ile Asp Gly Lys Glu			
	455	460	465
Glu Leu Asp Leu Ala Glu Lys Met Asp Ile Ala Val Ser Tyr Thr			
	470	475	480
Gly Glu Glu Leu Asp Phe Glu Thr Val Gly Asp Ile Ile Ala Ile			
	485	490	495
Ile Glu Asp Lys Val Asp Asp His Pro Glu Val Leu Asp Val Ala			
	500	505	510
Ala Val Glu Ala Ala Leu Ser Phe Cys Glu Glu Asn Asp Asp Pro			
	515	520	525
Gln Ser Leu Pro Gly Pro Trp Glu His Pro Ile Gln Gln Glu Arg			
	530	535	540
Asp Lys Pro Val Pro Leu Pro Ala Pro Glu Met Thr Val Lys Gln			
	545	550	555
Glu Arg Leu Asp Phe Glu Glu Thr Glu Asn Lys Gly Ile His Glu			
	560	565	570
Leu Val Asp Ile Arg Glu Pro Ser Ala Glu Ile Lys Val Glu Pro			
	575	580	585
Ala Glu Pro Glu Pro Val Ile Ser Gly Ala Glu Ile Val Ala Gly			
	590	595	600
Val Val Pro Ala Thr Ser Met Glu Pro Pro Glu Leu Arg Ser Gln			
	605	610	615
Asp Leu Asp Glu Glu Leu Gly Ser Thr Ala Ala Gly Glu Ile Val			
	620	625	630
Glu Ala Asp Val Ala Ile Gly Lys Gly Asp Glu Thr Pro Leu Thr			
	635	640	645
Asn Val Lys Thr Glu Ala Ser Pro Glu Ser Met Leu Ser Pro Ser			
	650	655	660
His Gly Ser Asn Pro Ile Glu Asp Pro Leu Glu Ala Glu Thr Gln			
	665	670	675
His Lys Phe Glu Met Ser Asp Ser Leu Lys Glu Glu Ser Gly Thr			
	680	685	690
Ile Phe Gly Ser Gln Ile Lys Asp Ala Pro Gly Glu Asp Glu Glu			
	695	700	705
Glu Asp Gly Val Ser Glu Ala Ala Ser Leu Glu Glu Pro Lys Glu			
	710	715	720
Glu Asp Gln Gly Glu Gly Tyr Leu Ser Glu Met Asp Asn Glu Pro			
	725	730	735
Pro Val Ser Glu Ser Asp Asp Gly Phe Ser Ile His Asn Ala Thr			
	740	745	750
Leu Gln Ser His Thr Leu Ala Asp Ser Ile Pro Ser Ser Pro Ala			
	755	760	765
Ser Ser Gln Phe Ser Val Cys Ser Glu Asp Gln Glu Ala Ile Gln			

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Ala Gln Lys Ile	770	775	780
Trp Lys Lys Ala Ile	785	Met Leu Val Trp Arg	Ala
Ala Ala Asn His	800	790	795
Arg Tyr Ala Asn Val	805	Phe Leu Gln Pro Val	Thr
Asp Asp Ile Ala	815	820	825
Pro Gly Tyr His Ser	830	Ile Val Gln Arg Pro	Met
Ile Lys Lys Asn Ile	835	Glu Asn Gly Leu Ile	Arg
Ser Thr Ala Glu	845	850	855
Phe Gln Arg Asp Ile	860	Met Leu Met Phe Gln	Asn
Ala Val Met Tyr	865	870	875
Asn Ser Ser Asp His	880	Asp Val Tyr His Met	Ala
Val Glu Met Gln	890	895	900
Arg Asp Val Leu Glu	905	Gln Ile Gln Gln Phe	Leu
Ile Met Gln Thr Ser	910	915	920
Glu Ser Gly Ile Ser	925	930	935
Lys Ser Leu Arg	935	940	945
Gly Arg Asp Ser Thr		Arg Lys Gln Asp Ala	Ser
Glu Lys Asp Ser		Pro Ala Phe Leu Leu	Ser
Val Pro Met Gly Ser		Ala Phe Leu Leu	Ser
Leu Phe Asp Gly		Arg Cys Ala Ile Glu	Ala
Gly Thr Arg Gly Arg			
Asp Met Lys Met			
Lys Lys			
950			

<210> 28  
 <211> 282  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1442069

Met Pro Lys Arg	1	5	10	15
Lys Ala Ala Gly Gln Gly	20	25	30	35
Asp Met Arg Gln Glu	40	45	50	55
Pro Lys Arg Arg	60	65	70	75
Ser Ala Arg Leu Ser	80	85	90	95
Ala Met Leu Val Pro	100	105	110	115
Val Thr Ser Arg Lys	120	125	130	135
Met Thr Ser Ala				
Lys Thr Lys Ser				
Asp Met Met Glu Glu				
Asn Ile Asp Thr				
Ser Ala Glu Thr				
Gln Ala Val Ala				
Glu Thr Lys Gln Glu				
Ala Val Val Glu Glu				
Asp Thr Ser Ala				
Tyr Asn Glu Asn				
Ala Lys Asn Gly Glu				
Ala Lys Ile Thr				
Glu Ala Thr Glu				
Pro Ala Ser Glu				
Lys Glu Ile Val Glu				
Val Lys Glu Glu				
Asn Ile Glu Asp				
Ala Thr Glu Lys				
Gly Gly Glu Lys				
Lys Glu Ala Val				
Ala Val Ala Glu				
Ala Glu Val Lys				
Asn Glu Glu Glu				
Asp Gln Lys Glu				
Asp Glu Glu				

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Asp	Gln	Asn	Glu	Glu	Lys	Gly	Glu	Ala	Gly	Lys	Glu	Asp	Lys	Asp	
				140					145						150
Glu	Lys	Gly	Glu	Glu	Asp	Gly	Lys	Glu	Asp	Lys	Asn	Gly	Asn	Glu	
				155					160						165
Lys	Gly	Glu	Asp	Ala	Lys	Glu	Lys	Glu	Asp	Gly	Lys	Lys	Gly	Glu	
				170					175						180
Asp	Gly	Lys	Gly	Asn	Gly	Glu	Asp	Gly	Lys	Glu	Lys	Gly	Glu	Asp	
				185					190						195
Glu	Lys	Glu	Glu	Glu	Asp	Arg	Lys	Glu	Thr	Gly	Asp	Gly	Lys	Glu	
				200					205						210
Asn	Glu	Asp	Gly	Lys	Glu	Lys	Gly	Asp	Lys	Lys	Glu	Gly	Lys	Asp	
				215					220						225
Val	Lys	Val	Lys	Glu	Asp	Glu	Lys	Glu	Arg	Glu	Asp	Gly	Lys	Glu	
				230					235						240
Asp	Glu	Gly	Gly	Asn	Glu	Glu	Glu	Ala	Gly	Lys	Glu	Lys	Glu	Asp	
				245					250						255
Leu	Lys	Glu	Glu	Glu	Glu	Gly	Lys	Glu	Glu	Asp	Glu	Ile	Lys	Glu	
				260					265						270
Asp	Asp	Gly	Lys	Lys	Glu	Glu	Pro	Gln	Ser	Ile	Val				
				275					280						

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<211> 186

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1596668

<400> 29

Met	Asp	Ala	Asp	Ser	Asp	Val	Ala	Leu	Asp	Ile	Leu	Ile	Thr	Asn	
1				5					10					15	
Val	Val	Cys	Val	Phe	Arg	Thr	Arg	Cys	His	Leu	Asn	Leu	Arg	Lys	
				20					25					30	
Ile	Ala	Leu	Glu	Gly	Ala	Asn	Val	Ile	Tyr	Lys	Arg	Asp	Val	Gly	
				35					40					45	
Lys	Val	Leu	Met	Lys	Leu	Arg	Lys	Pro	Arg	Ile	Thr	Ala	Thr	Ile	
				50					55					60	
Trp	Ser	Ser	Gly	Lys	Ile	Ile	Cys	Thr	Gly	Ala	Thr	Ser	Glu	Glu	
				65					70					75	
Glu	Ala	Lys	Phe	Gly	Ala	Arg	Arg	Leu	Ala	Arg	Ser	Leu	Gln	Lys	
				80					85					90	
Leu	Gly	Phe	Gln	Val	Ile	Phe	Thr	Asp	Phe	Lys	Val	Val	Asn	Val	
				95					100					105	
Leu	Ala	Val	Cys	Asn	Met	Pro	Phe	Glu	Ile	Arg	Leu	Pro	Glu	Phe	
				110					115					120	
Thr	Lys	Asn	Asn	Arg	Pro	His	Ala	Ser	Tyr	Glu	Pro	Glu	Leu	His	
				125					130					135	
Pro	Ala	Val	Cys	Tyr	Arg	Ile	Lys	Ser	Leu	Arg	Ala	Thr	Leu	Gln	
				140					145					150	
Ile	Phe	Ser	Thr	Gly	Ser	Ile	Thr	Val	Thr	Gly	Pro	Asn	Val	Lys	
				155					160					165	
Ala	Val	Ala	Thr	Ala	Val	Glu	Gln	Ile	Tyr	Pro	Phe	Val	Phe	Glu	

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	170	175	180
Ser Arg Lys Glu Ile Leu			
	185		

<210> 30  
<211> 917  
<212> PRT  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<223> Incyte ID No: 1977214

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35 40 45  
Arg Asn Val Asp Ser Ser Gly Asn Lys Ser Val Leu Met Glu Arg  
50 55 60  
Leu Lys Lys Ala Ile Glu Asp Glu Gly Gly Asn Pro Asp Glu Ile  
65 70 75  
Glu Ile Thr Ser Glu Gly Asn Lys Lys Thr Ser Lys Arg Ser Ser  
80 85 90  
Lys Gly Arg Lys Pro Glu Glu Glu Gly Val Glu Asp Asn Gly Leu  
95 100 105  
Glu Glu Asn Ser Gly Asp Gly Gln Glu Asp Val Glu Thr Ser Leu  
110 115 120  
Glu Asn Leu Gln Asp Ile Asp Ile Met Asp Ile Ser Val Leu Asp  
125 130 135  
Glu Ala Glu Ile Asp Asn Gly Ser Val Ala Asp Cys Val Glu Asp  
140 145 150  
Asp Asp Ala Asp Asn Leu Gln Glu Ser Leu Ser Asp Ser Arg Glu  
155 160 165  
Leu Val Glu Gly Glu Met Lys Glu Leu Pro Glu Gln Leu Gln Glu  
170 175 180  
His Ala Ile Glu Asp Lys Glu Thr Ile Asn Asn Leu Asp Thr Ser  
185 190 195  
Ser Ser Asp Phe Thr Ile Leu Gln Glu Ile Glu Glu Pro Ser Leu  
200 205 210  
Glu Pro Glu Asn Glu Lys Ile Leu Asp Ile Leu Gly Glu Thr Cys  
215 220 225  
Lys Ser Glu Pro Val Lys Glu Glu Ser Ser Glu Leu Glu Gln Pro  
230 235 240  
Phe Ala Gln Asp Thr Ser Ser Val Gly Pro Asp Arg Lys Leu Ala  
245 250 255  
Glu Glu Glu Asp Leu Phe Asp Ser Ala His Pro Glu Glu Gly Asp  
260 265 270  
Leu Asp Leu Ala Ser Glu Ser Thr Ala His Ala Gln Ser Ser Lys  
275 280 285  
Ala Asp Ser Leu Leu Ala Val Val Lys Arg Glu Pro Ala Glu Gln  
290 295 300

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Pro Gly Asp Gly	Glu Arg Thr Asp Cys	Glu Pro Val Gly Leu	Glu
305	310		315
Pro Ala Val Glu	Gln Ser Ser Ala Ala	Ser Glu Leu Ala Glu	Ala
320	325		330
Ser Ser Glu Glu	Leu Ala Glu Ala Pro	Thr Glu Ala Pro Ser	Pro
335	340		345
Glu Ala Arg Asp	Ser Lys Glu Asp Gly	Arg Lys Phe Asp Phe	Asp
350	355		360
Ala Cys Asn Glu	Val Pro Pro Ala Pro	Lys Glu Ser Ser Thr	Ser
365	370		375
Glu Gly Ala Asp	Gln Lys Met Ser Ser	Pro Glu Asp Asp Ser	Asp
380	385		390
Thr Lys Arg Leu	Ser Lys Glu Glu Lys	Gly Arg Ser Ser Cys	Gly
395	400		405
Arg Asn Phe Trp	Val Ser Gly Leu Ser	Ser Thr Thr Arg Ala	Thr
410	415		420
Asp Leu Lys Asn	Leu Phe Ser Lys Tyr	Gly Lys Val Val Gly	Ala
425	430		435
Lys Val Val Thr	Asn Ala Arg Ser Pro	Gly Ala Arg Cys Tyr	Gly
440	445		450
Phe Val Thr Met	Ser Thr Ala Glu Glu	Ala Thr Lys Cys Ile	Asn
455	460		465
His Leu His Lys	Thr Glu Leu His Gly	Lys Met Ile Ser Val	Glu
470	475		480
Lys Ala Lys Asn	Glu Pro Val Gly Lys	Lys Thr Ser Asp Lys	Arg
485	490		495
Asp Ser Asp Gly	Lys Lys Glu Lys Ser	Ser Asn Ser Asp Arg	Ser
500	505		510
Thr Asn Leu Lys	Arg Asp Asp Lys Cys	Asp Arg Lys Asp Asp	Ala
515	520		525
Lys Lys Gly Asp	Asp Gly Ser Gly Glu	Lys Ser Lys Asp Gln	Asp
530	535		540
Asp Gln Lys Pro	Gly Pro Ser Glu Arg	Ser Arg Ala Thr Lys	Ser
545	550		555
Gly Ser Arg Gly	Thr Glu Arg Thr Val	Val Met Asp Lys Ser	Lys
560	565		570
Gly Val Pro Val	Ile Ser Val Lys Thr	Ser Gly Ser Lys Glu	Arg
575	580		585
Ala Ser Lys Ser	Gln Asp Arg Lys Ser	Ala Ser Arg Glu Lys	Arg
590	595		600
Ser Val Val Ser	Phe Asp Lys Val Lys	Glu Pro Arg Lys Ser	Arg
605	610		615
Asp Ser Glu Ser	His Ser Arg Val Arg	Glu Arg Ser Glu Arg	Glu
620	625		630
Gln Arg Met Gln	Ala Gln Trp Glu Arg	Glu Glu Arg Glu Arg	Leu
635	640		645
Glu Ile Ala Arg	Glu Arg Leu Ala Phe	Gln Arg Gln Arg Leu	Glu
650	655		660
Arg Glu Arg Met	Glu Arg Glu Arg Leu	Glu Arg Glu Arg Met	His
665	670		675
Val Glu His Asp	Gly Arg Arg Glu Gln	Glu Arg Ile His Arg	Glu
680	685		690
Arg Glu Glu Leu	Arg Arg Gln Gln Glu	Leu Arg Tyr Glu Gln	Glu
695	700		705

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Arg	Arg	Pro	Ala	Val	Arg	Arg	Pro	Tyr	Asp	Leu	Asp	Arg	Arg	Asp
				710					715					720
Asp	Ala	Tyr	Trp	Pro	Glu	Ala	Lys	Arg	Ala	Ala	Leu	Asp	Glu	Arg
				725					730					735
Tyr	His	Ser	Asp	Phe	Asn	Arg	Gln	Asp	Arg	Phe	His	Asp	Phe	Asp
				740					745					750
His	Arg	Asp	Arg	Gly	Arg	Tyr	Pro	Asp	His	Ser	Val	Asp	Arg	Arg
				755					760					765
Glu	Gly	Ser	Arg	Ser	Met	Met	Gly	Glu	Arg	Glu	Gly	Gln	His	Tyr
				770					775					780
Pro	Glu	Arg	His	Gly	Gly	Pro	Glu	Arg	His	Gly	Gly	Ala	Ser	Arg
				785					790					795
Asp	Gly	Trp	Gly	Gly	Tyr	Gly	Ser	Asp	Lys	Arg	Met	Ser	Glu	Gly
				800					805					810
Arg	Gly	Leu	Pro	Pro	Pro	Pro	Arg	Gly	Arg	Arg	Asp	Trp	Gly	Asp
				815					820					825
His	Gly	Arg	Arg	Glu	Asp	Asp	Arg	Ser	Trp	Gln	Gly	Thr	Ala	Asp
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Gly	Gly	Met	Met	Asp	Arg	Asp	His	Lys	Arg	Trp	Gln	Gly	Gly	Glu
				845					850					855
Arg	Ser	Met	Ser	Gly	His	Ser	Gly	Pro	Gly	His	Met	Met	Asn	Arg
				860					865					870
Gly	Gly	Met	Ser	Gly	Arg	Gly	Ser	Phe	Ala	Pro	Gly	Gly	Ala	Ser
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Arg	Gly	His	Pro	Ile	Pro	His	Gly	Gly	Met	Gln	Gly	Gly	Phe	Gly
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Arg Tyr

<210> 31

<211> 392

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2181282

<400> 31

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				20					25					30
Asp	Val	Leu	Leu	Asn	Asn	Ser	Leu	Thr	Pro	Lys	Tyr	Leu	Gly	Cys
				35					40					45
Lys	Gln	Asp	Asn	Ser	Ser	Ser	Pro	Lys	Pro	Ser	Ser	Val	Phe	Arg
				50					55					60
Asn	Gly	Phe	Ser	Gly	Ile	Lys	Lys	Pro	Trp	His	Arg	Cys	His	Val
				65					70					75
Cys	Asn	His	His	Phe	Gln	Phe	Lys	Gln	His	Leu	Arg	Asp	His	Met
				80					85					90
Asn	Thr	His	Thr	Asn	Arg	Arg	Pro	Tyr	Ser	Cys	Arg	Ile	Cys	Arg

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	95	100	105
Lys Ser Tyr Val	Arg Pro Gly Ser Leu	Ser Thr His Met Lys	Leu
	110	115	120
His His Gly Glu	Asn Arg Leu Lys Lys	Leu Met Cys Cys Glu	Phe
	125	130	135
Cys Ala Lys Val	Phe Gly His Ile Arg	Val Tyr Phe Gly His	Leu
	140	145	150
Lys Glu Val His	Arg Val Val Ile Ser	Thr Glu Pro Ala Pro	Ser
	155	160	165
Glu Leu Gln Pro	Gly Asp Ile Pro Lys	Asn Arg Asp Met Ser	Val
	170	175	180
Arg Gly Met Glu	Gly Ser Leu Glu Arg	Glu Asn Lys Ser Asn	Leu
	185	190	195
Glu Glu Asp Phe	Leu Leu Asn Gln Ala	Asp Glu Val Lys Leu	Gln
	200	205	210
Ile Lys Cys Gly	Arg Cys Gln Ile Thr	Ala Gln Ser Phe Ala	Glu
	215	220	225
Ile Lys Phe His	Leu Leu Asp Val His	Gly Glu Glu Ile Glu	Gly
	230	235	240
Arg Leu Gln Glu	Gly Thr Phe Pro Gly	Ser Lys Gly Thr Gln	Glu
	245	250	255
Glu Leu Val Gln	His Ala Ser Pro Asp	Trp Lys Arg His Pro	Glu
	260	265	270
Arg Gly Lys Pro	Glu Lys Val His Ser	Ser Ser Glu Glu Ser	His
	275	280	285
Ala Cys Pro Arg	Leu Lys Arg Gln Leu	His Leu His Gln Asn	Gly
	290	295	300
Val Glu Met Leu	Met Glu Asn Glu Gly	Pro Gln Ser Gly Thr	Asn
	305	310	315
Lys Pro Arg Glu	Thr Cys Gln Gly Pro	Glu Cys Pro Gly Leu	His
	320	325	330
Thr Phe Leu Leu	Trp Ser His Ser Gly	Phe Asn Cys Leu Leu	Cys
	335	340	345
Ala Glu Met Leu	Gly Arg Lys Glu Asp	Leu Leu His His Trp	Lys
	350	355	360
His Gln His Asn	Cys Glu Asp Pro Ser	Lys Leu Trp Ala Ile	Leu
	365	370	375
Asn Thr Val Ser	Asn Gln Gly Val Ile	Glu Leu Ser Ser Glu	Ala
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Glu Lys			

<210> 32  
 <211> 1566  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 591290

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tttacctgca atgcatgtgg tgaatcagtg aagaaaatac aagtggaaaa gcatgtgtct 300
gtttgcagaa actgtgaatg cctttcttgc attgactgcg gtaaagattt ctggggcgat 360
gactataaaa accacgtgaa atgcataagt gaagatcaga agtatgggtg caaaggctat 420
gaaggtaaaa cccacaaagg cgacatcaaa cagcaggcgt ggattcagaa aattagttaa 480
ttaataaaga gacccaatgt cagcccaaaa gtgagagaac ttttagagca aattagtgtt 540
tttgacaacg ttcccaggaa aaaggcaaaa tttcagaatt ggatgaagaa cagtttaaaa 600
gttcataatg aatccattct ggaccagggt tggaaatatc tttctgaagc ttccaacagc 660
gaaccagtca ataaggaaca ggatcaacgg ccactccacc cagtggcaaa tccacatgca 720
gaaatctcca ccaaggttcc agcctccaaa gtgaaagacg ccgtggaaca gcaaggggag 780
gtgaagaaga ataaaagaga aaaaaaggaa gaacggcaga agaaaaggaa aagagaaaag 840
aaagaactaa agttagaaaa ccaccaggaa aactcaagga atcagaagcc taagaagcgc 900
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tctgcaggga agaggagcaa gaagaagaag cagcgcaagg acagcgccag tgaggaagag 1020
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taatgaattc taacaactca aattttgctt tttgaagctg tatttttaag ttaagaaaat 1500
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1566

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<210> 33  
 <211> 2338  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 815856

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atggtgctgg tggccagaaa ttatgagcgt tacaagaatg agtgccggga gaaggaacgt 180
gaggagattg ccagacaggc agccaagatg gccgatgaag ccatcctgca ggaaagagag 240
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aacctgctgg cagacaacag gtacctcact gctgaagaga ctgacaagat catcaactac 360
ctgcgagagc ggaaggagcg gctgatgagg agcagcaccg actctctgcc tgggtgagta 420
cgtggcaggg ccgaggcccc atttcccgcc aaccactcgg ggcgacctcg ggtgcctcgc 480
tgaagacaca gccaaagctc caaccgctcc agagcggcca agtgctcccc tctgctacac 540
ccactccatc tgcaccccc acctcccagc aagagcttca ggccaaaatc ctgagcctct 600
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acaccccaaa ccagaatttt tccacagcag caaacagcca gcctcaacaa agatcacagg 720
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ccagacctgg ggctccttcc caagggtttt ttggccagcc ttccagtcgc ctggcacctg 840
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gtgtacagaa ggctctggat accctgatcc agagtggccc tgctctctcc cacctgggta 960
gccagaccac agcacagatg gggcagccac agggcccatc gggatcttac cagaggcatt 1020
actgaagcta aatctttcaa ctctccccag tccctcatc ccctggcctc ctcccactta 1080

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aagttttatac tgcatttggg gctgtatctt tttttgtttt ttgttttgta gaaaataaat 1260
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gcagcatttt atgttctgac ctgttttgtt tatatagtgg tttttttttt cctctttgga 2280
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 996352

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agccgacttc ttgtctcttt gctcccaact cacagagaag cggctacggg gcgggcgccg 180
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ggaagaaaga gcataaggac gaaggtccga ctgccggcgc agctcccag ggcgcctgct 660
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aggaagacga ggaggaatga ggggcccgat cggggccctc tctgcaccgg acagtcgga 780
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870

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<210> 35  
 <211> 1365  
 <212> DNA  
 <213> Homo sapiens

<220>

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<221> misc\_feature

<223> Incyte ID No: 1273778

<220>

<221> unsure

<222> (1) ... (1365)

<223> a, t, c, g, or other

<400> 35

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tggaanaangt tgnaaaacna agttttgaat tnncaaaatt ctnantaagg ntttggaaatn 1080
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aanacntttg aaantcgaag aaangggggg ncggccttcc aaccgggggc caancccgta 1320
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<210> 36

<211> 2418

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1509715

<400> 36

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atacaatcca tacagtcac tcgcctacaa caactacagg ctgggagggg aaccggggca 240
ccaacagccg ggtcacggca tcctctggta tcacgattcc aaaaccccca aagccaccag 300
ataagccgct gatgccctac atgagggtaca gcagaaagggt ctgggaccaa gtaaaggctt 360
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gtcgtgcaga agctgcttta gaggaagaaa gtcgacagag acaatctcgc atggagaaa 600
gagaaccgta catgagcatt cagcctgctg aagatccaga tgattatgat gatggctttt 660
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caatgaagca tacagccacc gcccgtttcc agagaaacca ccgcctcatc agtgaaattc 720
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tcaaacggca ggtccagtc ttaatggttc atcagcgaaa actagaagct gaacttcttc 840
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<210> 37
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<212> DNA
<213> Homo sapiens

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<223> a, t, c, g, or other

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ccctgtctta ccgacgagtg ccggaccctg cagagctgta agactggcaa ggccaagatc 420
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ggctacccct gtgaggcggc ggcgagatc gtgctggcca cgctgcgaga gtggcttggg 660
agcagcaca ggggaacccg gggnaattta aatttccngg aaccgggta actttgcaag 720
gcgggttaacc aagctttttt cccctaataa attgnanttc cgtaatttaa gaagcntttg 780
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<210> 38  
<211> 1651  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1734119

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<210> 39  
<211> 1032  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> Incyte ID No: 1944813

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ttgttgccgc tgattttgtc aaatctataa aagccagaga cagcgaattt accacaaatc 240
aagggtgattg ccatttgatt gttcagtttg ctgctaacga tgcaagactt ttatctgatg 300
ctgctcgtat agtctgtcct tatgcgaatg gaatagacat taactgtggt tgccctcaga 360
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acatggtgaa acaagtaaga aatcaagtgg aaaccctgg attttcagtt tctattaaaa 480
taaggatcca tgatgacctt aaaagaactg tagatctttg tcaaaaggct gaagcaacag 540
gagtttcatg gattacagtc catggaagaa ctgctgaaga aagacatcag ccagtgcact 600
atgattccat taaaataatt aaggaaaata tgtctatacc tgtaattgct aatggagaca 660
tcagaagctt aaaggaagca gaaaatgtgt ggcggattac tgggacagat ggtgtgatgg 720
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<210> 40

<211> 1797

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2683322

<400> 40

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gatcagaagc aaccttggtg ataacacaaa ccaagtggaa gtccctgcagc gggatccaaa 360
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<210> 41

<211> 1987

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2684552

<400> 41

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ttaaggg 1987
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<210> 42  
<211> 2295  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2830310

<220>  
<221> unsure  
<222> (1) ... (2295)  
<223> a, t, c, g, or other

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 <213> Homo sapiens  
  
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<211> 1459

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2994234

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<211> 2733

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 4115958

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&lt;210&gt; 46

&lt;211&gt; 2177

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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<223> Incyte ID No: 779255

<400> 46

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<211> 2685

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1303605

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&lt;210&gt; 48

&lt;211&gt; 2408

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1611167

&lt;400&gt; 48

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&lt;210&gt; 49

&lt;211&gt; 2990

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1907472

&lt;400&gt; 49

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&lt;210&gt; 50

&lt;211&gt; 771

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1985458

<400> 50

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<210> 51

<211> 2076

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2726431

<220>

<221> unsure

<222> (1) ... (2076)

<223> a, t, c, g, or other

<400> 51

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<210> 52

<211> 1197

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2743828

<400> 52

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<210> 53

<211> 2843

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2998209

<400> 53

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<210> 54

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<211> 1272

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3340296

<400> 54

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<210> 55

<211> 1117

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3536740

<400> 55

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<210> 56

<211> 3033

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 082155

<400> 56

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&lt;213&gt; Homo sapiens

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